
Introduction

About Your Network Interface

The EpsonNet 802.11g Wireless Ext. Print Server is a wireless network interface that connects to the USB port of an Epson device (such as printer or all-in-one). With this network interface, you can create a wireless connection between the Epson device and a local area network using the IEEE 802.11b/g communication standard.

A radio signal is transmitted over the wireless network when you send a job to the device. Then the device prints or scans the file when the network interface receives the radio signal directly from a computer or from an access point.

This network interface is Wi-Fi certified for interoperability with other 802.11-compliant products.

Because the network interface supports multiple protocols and automatically detects protocols on your network, you can print from Microsoft® Windows®, Apple® Macintosh®, UNIX®, and IBM® OS/2 applications.

Use EpsonNet EasyInstall to easily configure the network interface for use on a TCP/IP network. If you are using an all-in-one, EpsonNet EasyInstall installs the drivers on your computer. You can use the device on the TCP/IP network at once.

For protocols such as TCP/IP, NetWare, NetBEUI, AppleTalk®, IPP, and SNMP, you can use EpsonNet Config, the configuration utility provided with your product, to quickly and easily configure the network interface to use these protocols.

Note:

The EpsonNet Config utility configures the network interface to work only with protocols that exist on your network. This does not imply that you can use all of the above-mentioned protocols on your network or operating system. The protocols that the network interface can use may vary depending on the operating system and the network configuration.

About This Guide

This *Reference Guide* contains information about using the network interface on a network. It includes how to set up the network interface, install the configuration software, and modify network settings of your device and computer.

For information about your device, see the manual shipped with the device.

Note:

- ❑ *To read the online guide, you must have Microsoft Internet Explorer 4.0 (or later) or Netscape Navigator 4.0 (or later) installed on your computer.*
- ❑ *This guide is written for network administrators, and many of the steps included here require detailed network knowledge and administrator rights.*
- ❑ *The term “network administrator” refers to the person responsible for maintaining the network. “Administrator” is synonymous with “Supervisor” in this guide.*
- ❑ *The term “network interface” refers to the EpsonNet 802.11g Wireless Ext. Print Server in this guide.*
- ❑ *The term “device” refers to the printer or all-in-one that is supported by the network interface.*

- ❑ *Some screen shots in this guide may list a device name other than your device. This difference does not alter the instructions.*

Instructions on Using the Network Interface

Notes on powering on and off

- ❑ Do not turn off the device and the network interface when changing the settings. This may damage the device and the network interface.
- ❑ Do not turn off the device and the network interface while printing is in progress. This may cause operational trouble to the computer sending the print data and suspend the printing process.
- ❑ Do not turn off the network interface during a firmware update. Otherwise, the update cannot be completed correctly and the network interface may not turn on (may not work) after the update.

Notes on USB connection

- ❑ Only supported devices can connect to a USB downstream connector of the network interface. Do not use a USB hub.
- ❑ Only IBM compatible computer or Macintosh equipped with USB can connect to a USB upstream connector of the network interface.

Notes on security

- ❑ **WEP Key**
Set a WEP Key or WPA-PSK to prevent wireless interception by unauthorized persons. The wireless transmission speed is reduced when WEP or WPA-PSK is enabled because time is required for encryption and decryption.

- ❑ **Security lock**
Insert a commercially available theft-prevention cable through the security lock, which is located on the back panel of the network interface, to secure the device to a table or pillar. This network interface is compatible with the Microsaver Security System manufactured by Kensington.

Notes on radio waves

- ❑ Radio wave interference may occur when there are devices that use radio waves within the 2.4 GHz ISM band near the network interface. Therefore, separate the network interface from these devices as much as possible to prevent radio wave interference.
- ❑ When using the network interface in the Ad Hoc mode, radio wave interference may occur if the channel of the network interface and the other devices are close to each other. Therefore, separate a few channels from the channel used near the network interface.
- ❑ Shorten the distance of the network interface and devices that communicate with the network interface.

Where to locate the network interface

- ❑ The location of the network interface must be considered to improve the wireless communication. The rotary stand can provide a good position. The condition of radio wave can be checked using EpsonNet Config, lights of the network interface, and the status sheet.

Package Contents

Your network interface package includes the following items.

- ❑ Wireless network interface (The Web-based EpsonNet Config is pre-installed.)
- ❑ AC adapter and power cord



Caution:

Only use the AC adapter shipped with this package to supply power to the network interface.

- ❑ USB cable
- ❑ Software CD-ROM containing:
 - EpsonNet Config (for Windows)
 - EpsonNet Config (for Macintosh)
 - EpsonNet Print
 - EpsonNet Internet Print
 - EpsonNet WebManager
 - EpsonNet SetupManager
 - Reference Guide
 - Drivers and utilities for the following Epson devices:
 - EPSON STYLUS PHOTO RX500
 - EPSON STYLUS PHOTO RX600
 - EPSON STYLUS CX4600
 - EPSON STYLUS CX6400
 - EPSON STYLUS CX6600
- ❑ Setup sheet
- ❑ AC Adapter sheet

Note:

You need to supply items such as a computer with an 802.11b/g WLAN compliant network interface card installed, an Epson device with a USB port, a USB cable, and an access point (required for infrastructure mode only).

Operating Environment

Supported operating systems

The network interface supports the following operating systems.

| | |
|-----------------------------|---|
| Supported operating systems | Windows XP Windows Me Windows 98 Second Edition Windows Server 2003 Windows 2000 Mac OS X 10.2 or later Mac OS 9.1 or later |
|-----------------------------|---|

Printing environments

The network interface receives print jobs in the following environments.

| Operating systems | Version | Protocol |
|---------------------------------------|---------|--|
| Windows XP (Home, Professional) | - | TCP/IP (using LPR, Standard TCP/IP Port, or EpsonNet Print) |
| | | IPP |
| Windows Me | - | TCP/IP (using EpsonNet Print) |
| | | IPP |
| | | NetBEUI |
| Windows 98 Second Edition | - | TCP/IP (using EpsonNet Print) |
| | | IPP (using EpsonNet Internet Print) |
| | | NetBEUI |

| Operating systems | Version | Protocol |
|--|--|---|
| Windows Server 2003 Windows 2000 (Professional, Server) | - | TCP/IP (using LPR, Standard TCP/IP Port, or EpsonNet Print) |
| | | IPP |
| Macintosh | Mac OS X 10.2.4 or later | AppleTalk TCP/IP Rendezvous |
| | Mac OS X 10.2 or later | AppleTalk TCP/IP |
| | Mac 9.1 or later | AppleTalk |
| NetWare | 3.x | Bindery mode |
| | 4.x/IntranetWare | NDS mode Bindery emulation mode |
| | 5.x/6.0 | NDS Queue-based print system NDPS |
| OS/2 (OS/2 Warp Connect, OS/2 Warp Server) | V3 V4 | TCP/IP (lprportd) NetBEUI |
| UNIX | Sun OS 4.1.4 or later: SPARC | lpr, ftp |
| | SunSoft Solaris 2.4 or later: SPARC and x86 SCO UNIX 4.2 or later | |
| | SCO UnixWare 2.01 or later | |
| | HP/UX 9.05 or later | |
| | IBM AIX 3.2.5 or later and 4.1.3 or later | |

Note:

- ❑ *The multi-user environment of Mac OS 9 is not supported.*
- ❑ *If you use the device in a dial-up router environment, you must set an IP address for the device. Make sure the IP address is suitable for the segment; incorrect IP address may generate unexpected dial-up.*
- ❑ *See the manual shipped with your device for information on the supported operating system of the device.*

Scanning environments

The network interface supports EPSON Scan via TCP/IP and allows network scanning when it is connected to the all-in-one. The supported operating systems are Windows XP/Me/98/2000 and Mac OS X/9.

Network Storage environments

The network interface supports sharing memory via SMB when it is connected to the all-in-one. The supported operating systems are Windows XP/2000.

Supported Epson Devices

The network interface can be installed for the following Epson devices (as of May, 2004).

- ❑ **Ink Jet Printer:**
 - Stylus C64/C84
 - Stylus Photo 1280/2200
 - Stylus Photo R200/R300/R800

- ❑ **All-in-one:**
Stylus Photo RX500/RX600
Stylus CX3600/CX4600/CX6400/CX6600
- ❑ **Laser Printer:**
EPL-6200
EPL-N2500/N3000/N7000
AL-C1900/C4000/C4100
- ❑ **Impact Dot Matrix Printer:**
FX-880+/890/1180+/2190
DLQ-3500
PLQ-20
LQ-590/630/2090

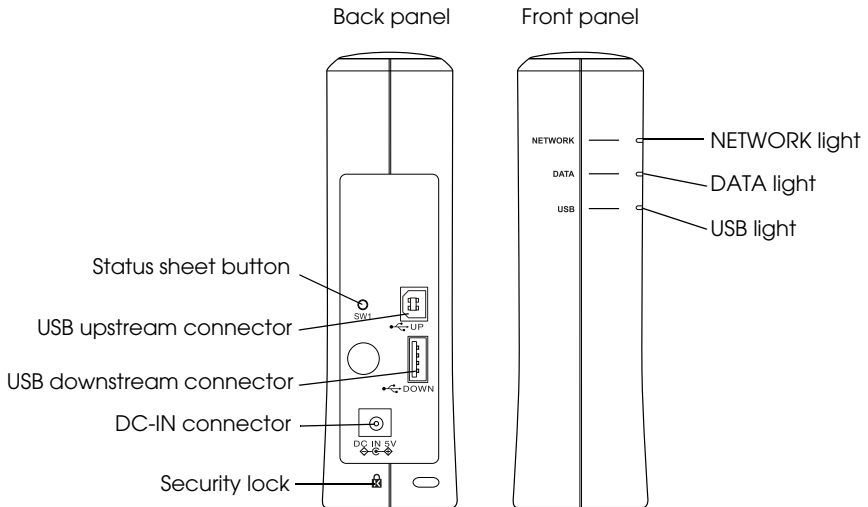
Features of the Network Interface

- ❑ Meets the IEEE 802.11b/g (2.4 GHz) communication standard.
- ❑ Prints or scans via wireless network.
- ❑ Supports the network storage function.
- ❑ Supports both the Infrastructure mode and the Ad Hoc mode.
- ❑ Supports the roaming function.
- ❑ Supports 64-bit/128-bit WEP Key and WPA-PSK(TKIP).
- ❑ Communicates with up to 11 or 13 channels.
- ❑ Communicates with any Wi-Fi certified products.
- ❑ Uses communication speeds at 11/5.5/2/1 Mbps for 802.11b, 54/48/36/24/18/12/9/6 Mbps for 802.11g, or automatically changes the speed according to the radio waves.

- ❑ Supports multiple protocols, such as TCP/IP, NetWare, NetBEUI, AppleTalk, and IPP.
- ❑ Supports DHCP.
- ❑ Supports Automatic Private IP Addressing (APIPA) that assigns an IP address automatically to the network interface even if there is no DHCP server on your network.
- ❑ Supports the Dynamic DNS function.
- ❑ Supports Rendezvous on Mac OS X 2.4 or higher.
- ❑ Supports SNMP and MIB.
- ❑ Supports NTP (Network Time Protocol).

Network Interface Operation

The status lights and status sheet can provide you with important information about the operation and configuration of the network interface.



1. NETWORK light
2. DATA light
3. USB light
4. Status sheet button
5. USB upstream connector
6. USB downstream connector
7. DC-IN connector
8. Security lock

Status lights

The network interface has three lights (NETWORK, DATA, and USB), which indicates the current operating status of the network interface when you first turn on the device, during normal operation, and when errors occur. The NETWORK and USB lights have three colors (red, green, and yellow). The DATA light is green.

The status lights indicate the network interface status, as follows:

| NETWORK | DATA | USB | Network interface status |
|---|------------------------------|---|--|
| Off | Off | Green flashing | Initializing |
| Off | Off | Red flashing | Error status |
| Off | Off | Red and green lights flashing alternately | Firmware update mode |
| Off | Off | Red on | Printer communication is disabled. |
| Off | Off | Green flashing when receiving data | Printer communication is enabled. |
| Red NETWORK light and green USB light flashing simultaneously | | | Wireless LAN and the IP address are not set. |
| Red on | Off | Off | Network communication is disabled. |
| Yellow on | Flashing when receiving data | Off | High speed link |
| Green on | Flashing when receiving data | Off | Low speed link |

Status sheet button

The first time you use the network interface after installing or reinstalling it, plug the power cord of the network interface into a wall outlet while holding down the status sheet button for about twenty seconds to initialize the network interface. The length of time necessary to hold down the status sheet button varies depending on the device model.

Before you start configuring the network interface, be sure to press and hold down the status sheet button on the network interface to print a status sheet. A status sheet provides important information about the network interface, such as MAC address, SSID, device settings, and device's current status. Press the status sheet button once to print a simple status sheet, or twice to print a full status sheet. You cannot print a status sheet when the device has already started printing, or when it is offline or not ready to print.

Note:

If the device does not print a status sheet, make sure the device is online and no print jobs are being processed, then wait a minute. If it still does not print a status sheet, turn the device off, wait until the DATA light goes out while the red USB light is on, and then turn it back on again. The status sheet can be printed one minute after the device finishes warming up.



Caution:

After turning off the device, wait until the DATA light goes out before turning it back on; otherwise the network interface may not work correctly.

USB upstream connector

This connector is used to connect a USB cable to a computer, so that the default network interface settings can be modified by using the configuration utility.

USB downstream connector

This connector is used to connect a USB cable to the device to enable communication with the device.

DC-IN connector

This is an external power supply connector for the AC adapter shipped with the network interface. Plug or unplug the power cord of the network interface from a wall outlet to turn the network interface on or off.

Security lock

You can pass a commercially available theft-prevention cable through the security lock hole to secure the network interface to a table or pillar. This network interface is compatible with the Microsaver Security System manufactured by Kensington.

Rotary stand

The rotary stand is located at the bottom of the network interface. Rotate the rotary stand counterclockwise by 90 degrees to provide an auxiliary stand for stability. The stand can be screwed to a location or on the wall for hanging.

The IEEE 802.11g Communication Standard

The network interface supports the IEEE 802.11b/g communication standard. It is compatible with other IEEE 802.11b/g compliant products.

An IEEE 802.11b/g WLAN (wireless local area network) operates within the 2.4 GHz ISM band. It divides the 2.4 GHz into 11 or 13 channels using Direct-Sequence Spread Spectrum (DSSS), and uses Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA) to avoid packet collision. Both CSMA/CA with ACK and CSMA/CA with RTS/CTS are supported.

Wi-Fi certification



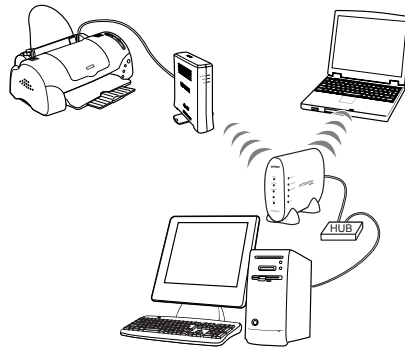
This wireless network interface is Wi-Fi certified by the Wi-Fi Alliance (WFA). The WFA certification ensures full product interoperability with other Wi-Fi certified products. For more information on other Wi-Fi certified products, go to <http://www.wi-fi.org>.

Wireless Environment

Operating modes

You can configure the network interface for the Infrastructure mode or the Ad Hoc mode.

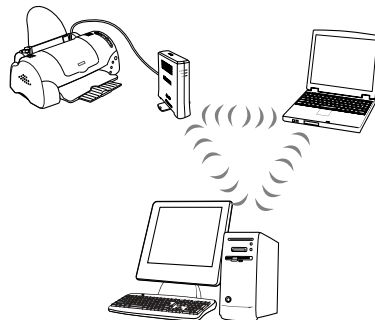
In the **Infrastructure mode**, both wireless and wired computers can communicate through an access point to send data to the network interface.



Note:

Some access points or routers support only the TCP/IP protocol. If you use this product with a protocol other than TCP/IP, make sure the protocols are supported by the access point or router.

In the **Ad Hoc mode**, a network interface and computers wirelessly communicate directly with each other, without using an access point.



Security

WEP (Wired Equivalent Privacy) is a security protocol for wireless network. Data is encrypted using the WEP Key providing the security of your wireless network. You must set the same WEP Key to the network interface and the access point.

The network interface supports a 64-bit or 128-bit encryption key, and you can use either hexadecimal or ASCII characters.

WPA-PSK(TKIP) is a Wi-Fi security with a strong encryption algorithm as well as user authentication. It provides a high security that user data remains protected and that only authorized users may access the network.

Note:

The wireless transmission speed is reduced when WEP or WPA-PSK(TKIP) is enabled because time is required for encryption and decryption.

SSID is a unique identifier to specify a wireless LAN. All devices and access points connected to a specific wireless LAN must use the same SSID to communicate with devices on the wireless LAN.

Radio signal range

The data transfer rate of the network interface depends on the environment where the network interface is located.

Note:

The wireless transmission speed decreases as the distance between the network interface and the computer or the access point increases.

About the Software

- ❑ **EpsonNet Config for Windows** is a Windows-based configuration utility for administrators that allows you to configure the network interface for various protocols such as TCP/IP, NetWare, MS Network, AppleTalk, IPP, and SNMP. See “About EpsonNet Config”.
- ❑ **EpsonNet Config for Macintosh** is a Macintosh-based configuration utility for administrators that allows you to configure the network interface for TCP/IP, AppleTalk, and IPP. See “About EpsonNet Config”.
- ❑ **EpsonNet Config with Web Browser** is a Web-based configuration utility that allows you to configure the network interface for TCP/IP, NetWare, MS Network, AppleTalk, IPP, and SNMP. See “About EpsonNet Config”.
- ❑ **EpsonNet Print** is a utility that enables TCP/IP printing for Windows. (Windows XP/Server 2003/2000/NT 4.0 also support OS standard LPR printing.) See “About EpsonNet Print”.
- ❑ **EpsonNet Internet Print** is a utility that supports printing across the Internet using Internet Printing Protocol for Windows 98/95/NT 4.0. See “About EpsonNet Internet Print”.
- ❑ **EpsonNet WebManager** is a Web-based utility that helps network administrators to easily manage network devices. See “About EpsonNet WebManager”.
- ❑ **EpsonNet SetupManager** is a utility that provides a simple printer installation and configuration tool for network administrators, and an easy network printer installation process for clients. See “About EpsonNet SetupManager”.

Terms and Concepts

2.4 GHz range -- the frequency spectrum assigned by the organization such as FCC or IC to WLAN systems

Access point -- a device that acts as a communication hub linking a wireless LAN to a wired LAN

Ad Hoc mode -- a wireless network mode. It allows devices to communicate directly without being wired to a network.

Configuration -- a prepared set of conditions for proper operation of a device. Configuring the network interface is to prepare it to work with protocols available on a network.

DHCP -- a dynamic host configuration protocol. It is a protocol that assigns dynamic IP addresses to devices on a network.

EtherTalk -- the communication protocol of AppleTalk governing Ethernet transmissions

ftp -- a TCP/IP application protocol for file transfer

IEEE 802.11g -- an IEEE standard for the 2.4 GHz range of WLANs

Infrastructure mode -- a wireless network mode. It allows both wireless and wired computers to send print jobs to the device through an access point.

lpd -- a TCP/IP remote printing protocol application

Print queue -- a location where a print job is stored as a file, until the network interface sends the job to the assigned device

Protocol -- a rule that controls how data or information is exchanged through a network. Computers and software cannot communicate with each other using different protocols.

Remote printer -- a shared device connected elsewhere on the network, but under the control of a NetWare print server

Roaming -- the ability to move the wireless station from one access point to another without losing the connection or interrupting the service

SSID (or ESSID) -- Service Set Identifier (or Extended Service Set Identifier), a unique identifier to specify a WLAN

TCP/IP -- Transmission Control Protocol/Internet Protocol, a layer of protocols that provides communications between nodes on a network

WEP -- Wired Equivalent Privacy, a security protocol for WLANs defined in the IEEE 802.11b/g standard. WEP provides security by encrypting data over radio waves.

WEP key -- a shared key algorithm for encrypting data

WLAN -- Wireless Local Area Network

WPA-PSK(TKIP) -- a Wi-Fi security with a strong encryption algorithm as well as user authentication

How To

Overview

This section describes the general procedure on how to set up the network interface for use on a network.

1. Check the network interface operation.

Check the functions and operations of the network interface, such as status lights, status sheet button, USB connector, DC-IN connector, and security lock. See “Network Interface Operation” for details.

2. Select a printing method.

Select a printing method appropriate for your network environment and operating system. If you are not sure, see “Printing from Windows” or “Printing from Macintosh” for details.

3. Install the necessary components on your computer.

Make sure the necessary components (such as TCP/IP, NetBEUI, etc.) are installed on the computer, and network settings (such as IP address, subnet mask, etc.) of the computer is set. See “About Installing Components on Your Computer” for details.

4. Insert the Software CD-ROM in the CD-ROM drive to configure the network interface.

If you are using one of the following Epson devices, see “For Windows” or “For Macintosh” for details.

- EPSON STYLUS PHOTO RX500
- EPSON STYLUS PHOTO RX600
- EPSON STYLUS CX4600
- EPSON STYLUS CX6400
- EPSON STYLUS CX6600

If your device is not listed above, see “For Windows” or “For Macintosh” for details.

5. If necessary, install the printer driver.

Install the printer driver from the CD-ROM that comes with the device. See “About Installing the Printer Driver” for details.

6. If necessary, configure the network settings of the network interface using EpsonNet Config.

Configure the network interface for TCP/IP, AppleTalk, MS Network, etc. using EpsonNet Config. For Windows users, see “About EpsonNet Config”. For Macintosh users, see “About EpsonNet Config”.

Selecting a Printing Method

Printing from Windows

Check if there is a Windows XP/Server 2003/2000 print server on your network, and then use the suggestions below.

Note:

Only the recommended printing methods are introduced here. See “Features of the Printing Methods” for information on additional methods.

If no Windows XP/Server 2003/2000 print server exists

Use a printing method appropriate to your operating system:

- ☐ For Windows Me/98
We recommend TCP/IP printing via EpsonNet Print. See “About EpsonNet Print”.
- ☐ For Windows XP/Server 2003/2000
We recommend TCP/IP printing via LPR. See “Windows XP”, “Windows Server 2003”, or “Windows 2000”.

If a Windows XP/Server 2003/2000 print server exists

On the server, set the printer to connect with LPR and turn it into a shared printer. Your clients can then print to this shared printer.

Printing from Macintosh

Mac OS X 10.2.4 or later

- ☐ Rendezvous
- ☐ EPSON TCP/IP
- ☐ EPSON AppleTalk

Mac OS X 10.2 or later

- ☐ EPSON TCP/IP
- ☐ EPSON AppleTalk

Mac OS 9

- ☐ AppleTalk

Features of the Printing Methods

This section describes features of the printing methods available for you to choose.

LPR (TCP/IP) printing

Advantages

- ☐ No computer as a network interface is required.
- ☐ No special utility for Windows XP/Server 2003/2000 is required.

- ☐ You can see the printer status using EPSON Status Monitor 2 or 3.
- ☐ For Windows XP/Server 2003/2000, you can create a print log using the event viewer.
- ☐ You can print via a router.

Disadvantages

- ☐ You need to set up TCP/IP.
- ☐ For Windows Me/98, EpsonNet Print must be installed on all computers to use for printing.

Internet printing

Advantages

- ☐ No proxy server (computer) is required.
- ☐ You can print to the printer over the Internet.

Disadvantages

- ☐ EPSON Status Monitor 2 or 3 cannot be used.
- ☐ TCP/IP and DNS settings are required.
- ☐ For Windows Me/98, EpsonNet Internet Print must be installed on all computers used for printing.
- ☐ For Windows XP/Server 2003/2000, you cannot share the Internet printer.

Microsoft Network Shared printing

Advantages

- ☐ Easy to set up (IP address is not required if NetBEUI protocol is installed).
- ☐ No computer as a network interface is required.
- ☐ No special print utility is required.

Disadvantages

- ☐ EPSON Status Monitor 2 or 3 cannot be used.
- ☐ You cannot print via a router.
- ☐ It takes a longer time to start printing because more time is required to search for a network device.

Installing Components on Your Computer

About Installing Components on Your Computer

Before configuring the network interface and printing from the computer, you need to install the necessary components (such as TCP/IP, NetBEUI, etc.) and assign an IP address and subnet mask for your computer, depending on the printing method you want to use. See the section appropriate for your operating system.

Note:

You need to install the TCP/IP protocol on your computer to use EPSON Scan.

“Windows XP”

“Windows Me/98”

“Windows Server 2003”

“Windows 2000”

“Macintosh”

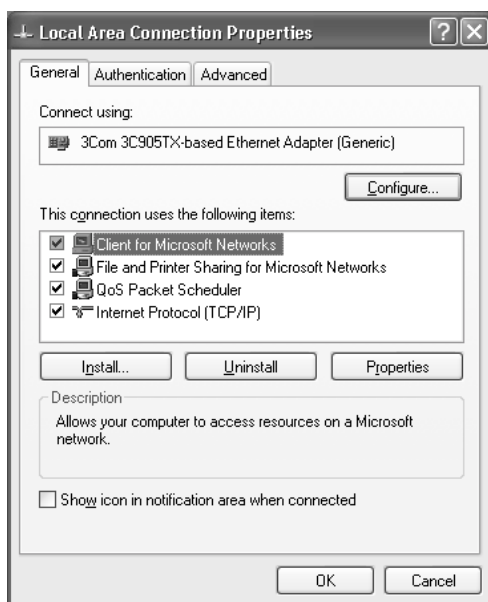
Windows XP

For Windows XP, use the following procedure to install the necessary components.

Note:

- ☐ *The Windows XP CD-ROM may be required during the installation.*

- ❑ *When using TCP/IP or IPP for printing, you need to set the IP address, the subnet mask, and the default gateway of the computer.*
1. Click Start, highlight Control Panel, and then click Network and Internet Connections. Select Network Connections.
 2. Under LAN or High-Speed Internet, click the Local Area Connection icon.
 3. Under Network Tasks, click Change settings of this connection.
 4. Check if the following necessary components are in the list. If they are already installed, see “How to Set Up the Network Interface”.



The following table lists the components required for configuring the network interface with EpsonNet Config.

| EpsonNet Config's setting screens | Necessary components |
|--|--|
| TCP/IP, AppleTalk, IPP, SNMP (IP trap) | Internet Protocol (TCP/IP) |
| MS Network | Internet Protocol (TCP/IP) |
| NetWare, SNMP (IPX trap) | Latest Novell Client downloaded from the Novell Web site |

The following table lists the components required for network printing.

| Printing method | Necessary components |
|-----------------------------------|---|
| LPR or Internet printing | Internet Protocol (TCP/IP) |
| Microsoft Network Shared printing | Internet Protocol (TCP/IP) Client for Microsoft Networks |
| Printing via NetWare server | Latest Novell Client downloaded from the Novell Web site |

5. If the necessary components are not in the list, click Install to install them, as described below.

For LPR or Internet printing:

Internet Protocol (TCP/IP) is installed by default. You cannot add or delete it.

For Microsoft Network Shared printing:

Select Client and then click Add. Select Client for Microsoft Networks and then click OK.

For printing via NetWare server:

Download the latest Novell Client from the Novell Web site and install it on the computer. Also, be sure to install IPX. See the Novell Web site for detailed information.

6. **For LPR, Internet, Microsoft Network Shared printing:**
Double-click Internet Protocol (TCP/IP) on the Local Area Connection Properties dialog box to open the Internet Protocols (TCP/IP) Properties dialog box. Set the IP address, the subnet mask, etc. and then click OK.
7. Restart the computer.

The necessary components are now installed.

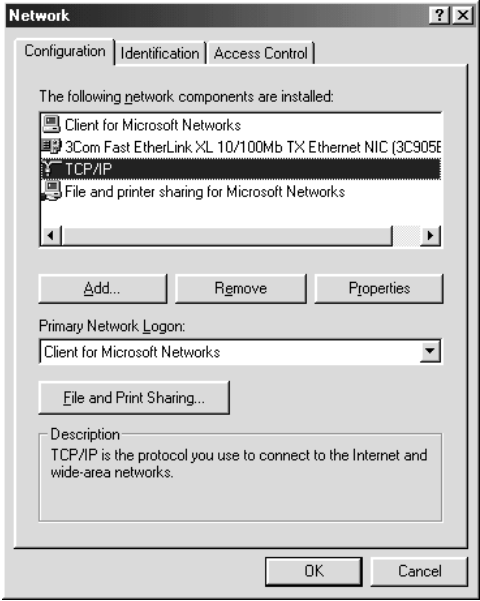
Windows Me/98

For Windows Me/98, use the following procedure to install the necessary components.

Note:

- ☐ *The Windows Me/98 CD-ROM may be required during the installation.*
 - ☐ *When using TCP/IP or IPP for printing, you need to set the IP address, the subnet mask, and the default gateway of the computer.*
1. Click Start, point to Settings, and then select Control Panel.

2. Double-click the Network icon. Check if the following necessary components are in the list of installed network components on the Configuration menu. If they are already installed, see “How to Set Up the Network Interface”.



The following table lists the components required for configuring the network interface with EpsonNet Config.

| EpsonNet Config's setting screens | Necessary components |
|--|--|
| TCP/IP, AppleTalk, IPP, SNMP (IP trap) | TCP/IP |
| MS Network | NetBEUI or TCP/IP |
| NetWare, SNMP (IPX trap) | Latest Novell Client downloaded from the Novell Web site |

Note:

Do not use Novell Client for Windows 95/98 version 3.00 and Novell Client for Windows NT version 4.50 when using the following modes: NetWare 3.x/4.x Bindery Print Server mode, NetWare 3.x Remote Printer mode, NetWare 4.x Bindery Remote Printer mode, and NetWare 4.x/5.x NDS Remote Printer mode.

The following table lists the components required for network printing.

| Printing method | Necessary components |
|-----------------------------------|---|
| LPR or Internet printing | TCP/IP |
| Microsoft Network Shared printing | TCP/IP or NetBEUI Client for Microsoft Networks |
| Printing via NetWare server | Latest Novell Client downloaded from the Novell Web site |

3. If the necessary components are not in the list, click Add to install them, as described below.

For LPR or Internet printing:

Select Protocol and then click Add. Select Microsoft from the Manufacturers list and TCP/IP from the Network Protocols list. Then click OK.

For Microsoft Network Shared printing:

To use TCP/IP, see the description described earlier to install TCP/IP.

To use NetBEUI, select Protocol and then click Add. Select Microsoft from the Manufacturers list and NetBEUI from the Network Protocols list. Then click OK.

Select Client and then click Add. Select Microsoft from the Manufacturers list and Client for Microsoft Networks from the Network Clients list. Then click OK.

For printing via NetWare server:

Download the latest Novell Client from the Novell Web site and install it on the computer. Also, be sure to install IPX. See the Novell Web site for detailed information.

4. **For LPR, Internet, Microsoft Network Shared printing:**
Double-click TCP/IP on the Configuration menu to open the TCP/IP Properties dialog box. Set the IP address, the subnet mask, etc. and then click OK.
5. Restart the computer.

The necessary components are now installed.

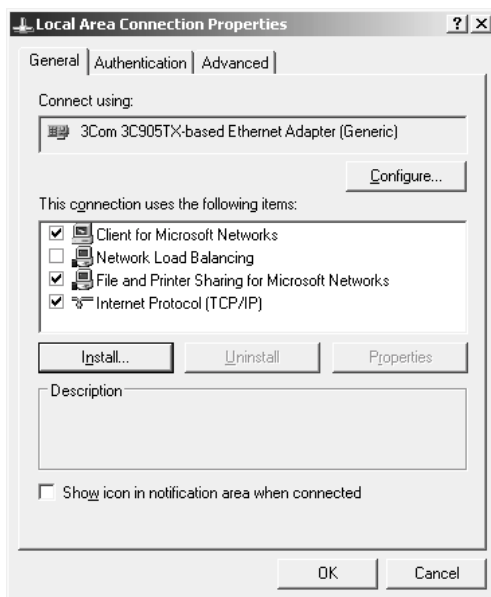
Windows Server 2003

For Windows Server 2003, use the following procedure to install the necessary components.

Note:

- ☐ *The Windows Server 2003 CD-ROM may be required during the installation.*
 - ☐ *When using TCP/IP or IPP for printing, you need to set the IP address, the subnet mask, and the default gateway of the computer.*
1. Click Start, point to Control Panel, and then select Network Connections. Click Local Area Connections.
 2. Click the Properties button.

3. Check if the following necessary components are in the list. If they are already installed, see “How to Set Up the Network Interface”.



The following table lists the components required for configuring the network interface with EpsonNet Config.

| EpsonNet Config's setting screens | Necessary components |
|--|--|
| TCP/IP, AppleTalk, IPP, SNMP (IP trap) | Internet Protocol (TCP/IP) |
| MS Network | Internet Protocol (TCP/IP) |
| NetWare, SNMP (IPX trap) | Latest Novell Client downloaded from the Novell Web site |

The following table lists the components required for network printing.

| Printing method | Necessary components |
|-----------------|----------------------|
|-----------------|----------------------|

| | |
|-----------------------------------|---|
| LPR or Internet printing | Internet Protocol (TCP/IP) |
| Microsoft Network Shared printing | Internet Protocol (TCP/IP) Client for Microsoft Networks |
| Printing via NetWare server | Latest Novell Client downloaded from the Novell Web site |

4. If the necessary components are not in the list, click Install to install them, as described below.

For LPR or Internet printing:

Internet Protocol (TCP/IP) is installed by default. You cannot add or delete it.

For Microsoft Network Shared printing:

Select Client and then click Add. Select Client for Microsoft Networks and then click OK.

For printing via NetWare server:

Download the latest Novell Client from the Novell Web site and install it on the computer. Also, be sure to install IPX. See the Novell Web site for detailed information.

5. **For LPR, Internet, or Microsoft Network Shared printing:** Double-click Internet Protocol (TCP/IP) in the Local Area Connection Properties dialog box to open the Internet Protocols (TCP/IP) Properties dialog box. Set the IP address, the subnet mask, etc. and then click OK.
6. Restart the computer.

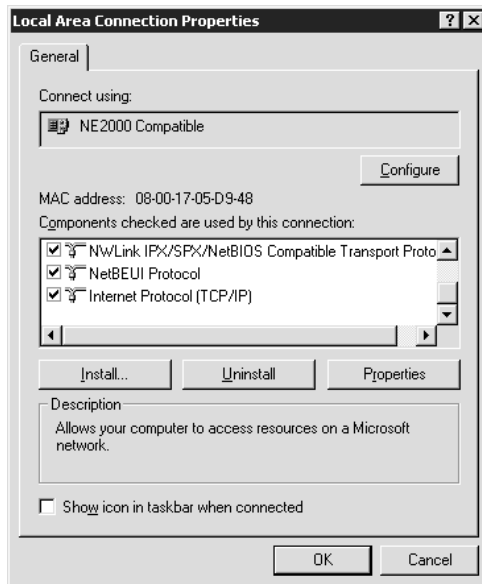
The necessary components are now installed.

Windows 2000

For Windows 2000, use the following procedure to install the necessary components.

Note:

- ❑ *The Windows 2000 CD-ROM may be required during the installation.*
 - ❑ *When using TCP/IP or IPP for printing, you need to set the IP address, the subnet mask, and the default gateway of the computer.*
1. Click Start, point to Settings, and then select Network and Dial-up Connections. The Network and Dial-up Connections screen appears.
 2. Right-click the desired network connection and then select Properties.
 3. Check if the following necessary components are in the list. If they are already installed, see “How to Set Up the Network Interface”.



The following table lists the components required for configuring the network interface with EpsonNet Config.

| EpsonNet Config's setting screens | Necessary components |
|--|--|
| TCP/IP, AppleTalk, IPP, SNMP (IP trap) | Internet Protocol (TCP/IP) |
| MS Network | NetBEUI or Internet Protocol (TCP/IP) |
| NetWare, SNMP (IPX trap) | Latest Novell Client downloaded from the Novell Web site |

Note:

Do not use Novell Client for Windows 95/98 version 3.00 and Novell Client for Windows NT version 4.50 when using the following modes: NetWare 3.x/4.x Bindery Print Server mode, NetWare 3.x Remote Printer mode, NetWare 4.x Bindery Remote Printer mode, and NetWare 4.x/5.x NDS Remote Printer mode.

The following table lists the components required for network printing.

| Printing method | Necessary components |
|-----------------------------------|---|
| LPR or Internet printing | Internet Protocol (TCP/IP) |
| Microsoft Network Shared printing | Internet Protocol (TCP/IP) or NetBEUI Client for Microsoft Networks |
| Printing via NetWare server | Latest Novell Client downloaded from the Novell Web site |

- If the necessary components are not in the list, click Install to install them, as described below.

For LPR or Internet printing:

Select Protocol and then click Add. In the Select Network Protocol dialog box, select Internet Protocol (TCP/IP) and then click OK.

For Microsoft Network Shared printing:

To use Internet Protocol, see the description described earlier to install Internet Protocol (TCP/IP).

To use NetBEUI, select Protocol and then click Add. Select NetBEUI Protocol and then click OK.

Select Client and then click Add. Select Client for Microsoft Networks and then click OK.

For printing via NetWare server:

Download the latest Novell Client from the Novell Web site and install it on the computer. Also, be sure to install IPX. See the Novell Web site for detailed information.

5. For LPR, Internet, Microsoft Network Shared printing:

Double-click Internet Protocol (TCP/IP) on the Configuration menu to open the TCP/IP Properties dialog box. Set the IP address, the subnet mask, etc. and then click OK.

6. Restart the computer.

The necessary components are now installed.

Macintosh

To assign an IP address, subnet mask, etc. to your Macintosh, follow the steps below.

Note:

To print using the AppleTalk protocol and configure the network interface with EpsonNet Config for Macintosh, select AirMac or Built-in Ethernet on the AppleTalk Control Panel or the AppleTalk tab. Then configure the network interface with EpsonNet Config for Macintosh.

Mac OS X

1. From the Apple menu, select System Preferences.
2. Click the Network icon.
3. Select AirMac, and then click the Configure button.
4. Click the TCP/IP tab.
5. Assign an IP address and other settings if necessary.
6. Click the Apply Now button to save any changes.

Mac OS 9

1. From the Apple menu, select Control Panel, and then TCP/IP.
2. Set Connect via to AirMac.
3. Assign an IP address and other settings if necessary.
4. Close the dialog box to save any changes.

How to Set Up the Network Interface

For Windows

Connecting the network interface

Note:

If EpsonNet WinAssist is installed on your computer, uninstall it before following the steps below.

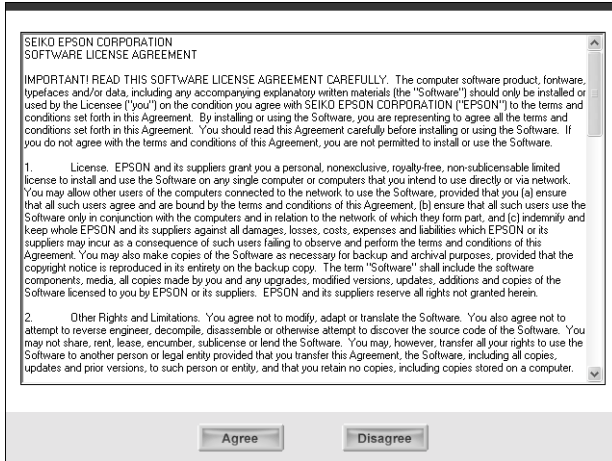
1. Insert the Software CD-ROM in the CD-ROM drive.

If the Installer dialog box does not appear automatically, double-click EPSETUP.EXE on the CD-ROM.

2. From the Welcome screen, click Next.



3. Read the license agreement, and then click Agree.



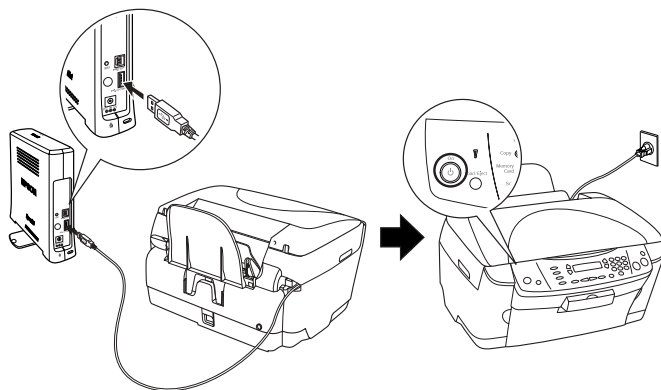
4. Select Connect the Wireless Print Server.



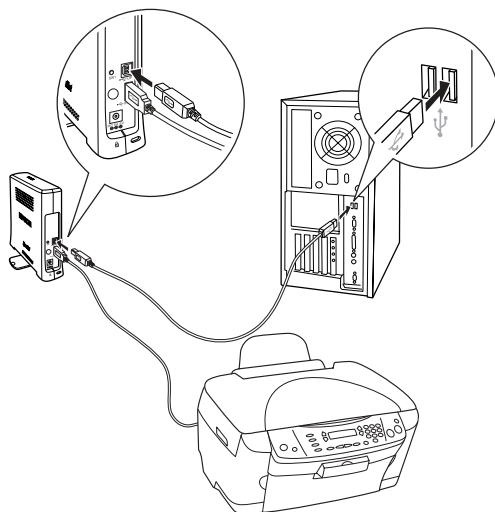
5. Connect the square connector to the USB port on the device, and then connect the other end to the USB downstream connector on the network interface. Finally, turn on the device.

Note:

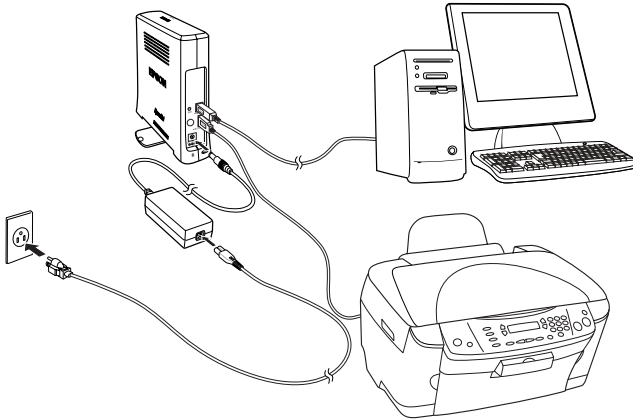
Be sure to use the USB cable that comes with the network interface.



6. Connect the square connector on the USB cable to the USB upstream connector on the network interface, and then connect the other end to the USB port on the computer.



7. Connect the power cord to the AC adapter, and then plug the AC adapter into the network interface's DC-IN connector. Finally, plug the power cord into a properly grounded wall outlet.



8. The “Found New Hardware Wizard” appears to prompt you to install the USB driver. Select the Install from a list or specific location radio button and then click Next.

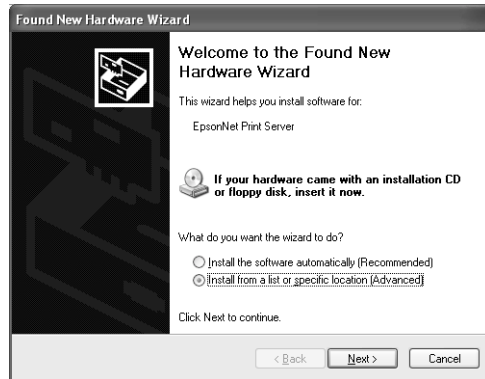
Note for Windows XP Service Pack 2 Users:

If the following screen appears, select the No, not this time radio button, and then click Next.

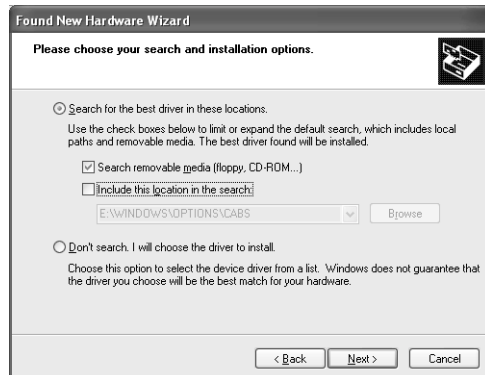


Note:

These screens may be different depending on the operating system.



9. Select the Search for the best driver in these locations radio button and select the Search removable media check box, and then click Next.



10. When the operation is completed, click Finish.



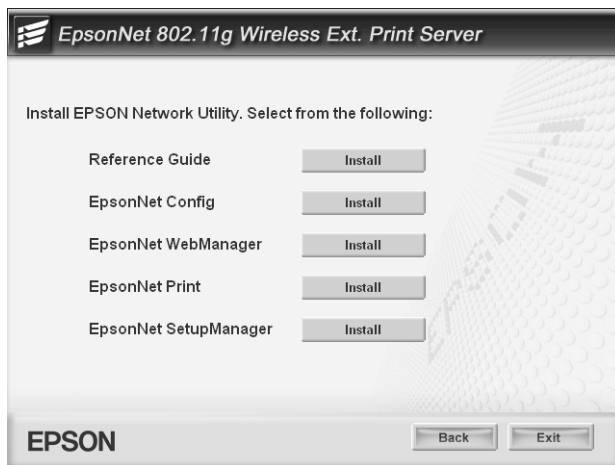
11. Click Back to go back to the main menu.



12. Select Install Network Utility.



13. Click the Install button located next to EpsonNet Config.
Follow the on-screen instructions to complete the installation.



14. Click the Install button located next to EpsonNet Print. Follow the on-screen instructions to complete the installation.

15. Click Exit.
16. Configure the network interface using EpsonNet Config. See “Configuring the network interface” for details.

Configuring the network interface

Note:

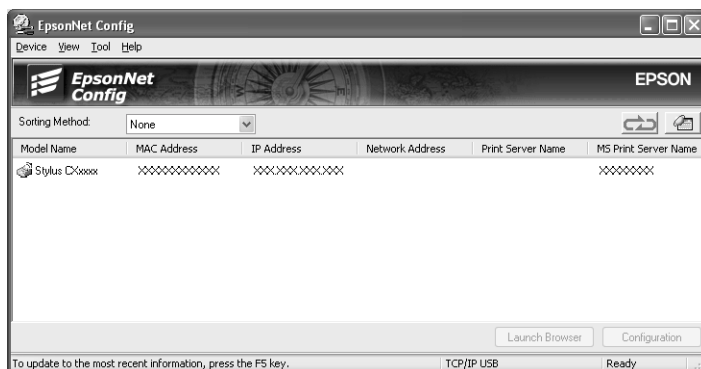
It is a good idea to write down the SSID and WEP Key or WPA Personal password before taking the steps below.

Note for Windows XP Service Pack 2 users:

If the following screen appears after starting EpsonNet Config, click the Unblock button; otherwise the device is not listed on the screen of EpsonNet Config.



1. Click Start, point to All Programs (for Windows XP/Server 2003 users) or Programs (for Windows Me/98/2000 users), and then select EpsonNet. Click EpsonNet Config to start it.



2. Select the device and then click the Configuration button.
3. Select Basic under Network. Make the following settings.

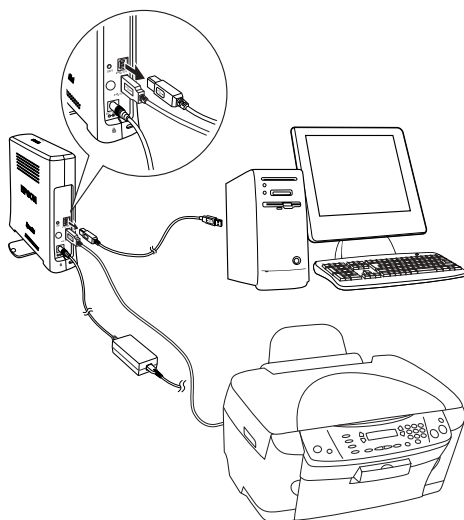
| Items | Explanations |
|--------------------|--|
| Communication Mode | Select a wireless LAN mode: Infrastructure or Ad Hoc. |
| Operation Mode | For 802.11g only: Select the operation mode from the list. |
| SSID | Enter or select the SSID (or ESSID) of the access point or wireless LAN (up to 32 characters). |
| Channel | When the mode is Ad Hoc, select the channel used on the network interface. If the mode is Infrastructure, this item is dimmed. |
| Transmission Rate | Select the transmission speed from the list. |

4. Click Security Level under Network. Make the following settings.

| Items | Explanations |
|--|--|
| Security Level | <p>Select the security level from the list.</p> <p>Note: If you are using EpsonNet 802.11g Wireless Ext. Print Server in the Ad Hoc mode, you cannot use WPA-Personal (TKIP) for the security level.</p> |
| WEP Authentication Method | <p>Select an authentication algorithm: Open System, Shared Key, or Automatic. (This item is dimmed when WPA-Personal (TKIP) is selected for the security level.)</p> |
| WEP Settings (appears for WEP-64bit or WEP-128bit security level) | |
| Input using hex | <p>Select this check box to set the WEP Key in hexadecimal.</p> |
| WEP Key (1 to 4) | <p>When you select 64 bit(40bit) for the length, you can set up to 4 WEP Keys. When you select 128 bit(104bit), you can set only one WEP Key.</p> <p>For 64bit and ASCII, enter 5 characters. For 64bit and Hex, enter 10 digit values. For 128bit and ASCII, enter 13 characters. For 128bit and Hex, enter 26 digit values.</p> <p>Note: The WEP Key disappears after the network interface is configured. Therefore, do not forget the WEP Key you have set.</p> |
| Active WEP Key | <p>Select one WEP Key as an active key before enabling use of encryption.</p> |
| WPA Settings (appears for WPA-Personal security level) | |
| Password | <p>Enter the password for WPA-Personal authentication (8 to 63 characters).</p> |
| Password (again) | <p>Enter the password again.</p> |

5. Click Basic under TCP/IP.

6. Select a method for specifying the IP address. If you select Automatic, DHCP becomes available and assigns an IP address automatically. If you want to set the IP address manually, select Manual and enter the IP address, subnet mask, and default gateway.
7. Click the Send button to send the settings to the network interface.
8. Pull out the USB cable from your computer and the network interface.



9. Install the printer driver.

See the section appropriate for your operating system.

- ☐ “For Windows XP/Server 2003/2000/NT 4.0 Users”
- ☐ “For Windows Me/98/95 Users”

For more detailed information on EpsonNet Config, see the *EpsonNet Config Reference Guide*.

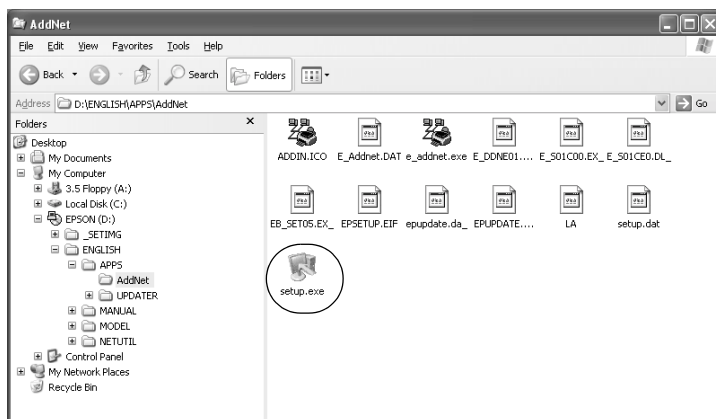
Note for Windows users

If you are using an ink jet printer or all-in-one (excluding EPSON STYLUS PHOTO RX500/600/1280/2200), follow the steps below after installing the printer driver. You can use EPSON Status Monitor 3 via the wireless network.

1. Insert the Software CD-ROM in the CD-ROM drive.

If the Installer dialog box appears automatically, click the Exit button.

2. Double-click the CD-ROM drive.
3. In the ENGLISH folder, open the APPS folder, and then open the AddNet folder.
4. Double-click SETUP.EXE. Follow the on-screen instructions.



Using the network storage

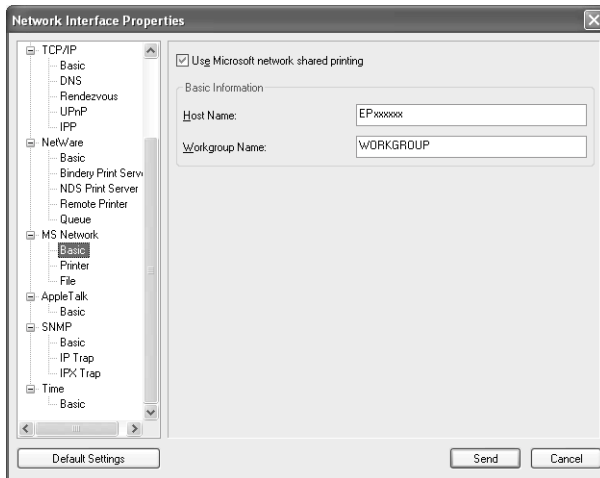
If the device connected to the wireless network interface has memory card slots, you can display or read data on the memory card via a wireless network.

Note:

- ❑ You can use this function on Windows XP/2000 only.
- ❑ You can only display or read data on the memory card.
- ❑ When you access the Network Storage and delete data on the memory card, the data disappears. However, the data is not actually deleted so the data appears again when you select Refresh from the View menu.

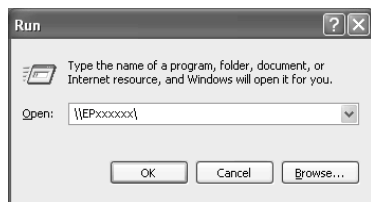
Accessing the network storage

1. Run EpsonNet Config. Select Basic under MS Network, and then check the host name.

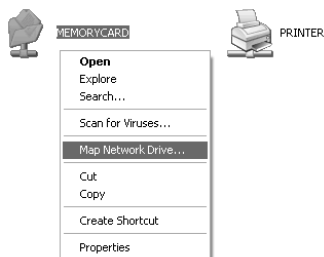


2. From the Start menu, select Run.

3. Enter the host name you checked in step 1, and then click OK.
\\the host name of the MS Network\



4. Right-click the MEMORYCARD icon, and then select Map Network Drive.



5. Specify the drive letter for the connection. We recommend that you select the Reconnect at logon check box. You can access Network Storage whenever you start the computer.



6. Click Finish.

7. The network drive you mapped appears in My Computer. To display or read the file, double-click the network drive icon.

Disconnecting the network storage

To disconnect the network drive of the network storage, right-click the network drive icon, and then select Disconnect.

Changing the network storage information

You can change the host name or the storage name you specified in the Run dialog box by using EpsonNet Config. For more detailed information, see *EpsonNet Config Reference Guide* or "About EpsonNet Config".

For Macintosh

Connecting the network interface

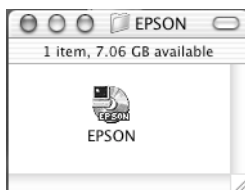
Use EpsonNet Config to configure the network interface for use on the TCP/IP network and set up the printer on your computer.

Note:

This section explains the instructions using Mac OS X. The instructions are almost the same for Mac OS 9.

1. Insert the Software CD-ROM in the CD-ROM drive.

2. Double-click the EPSON CD-ROM icon.



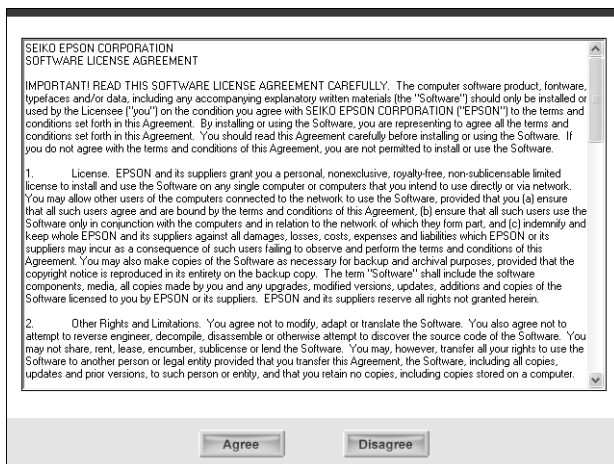
3. Double-click the appropriate OS icon in the EPSON folder.



4. From the Welcome screen, click Next.



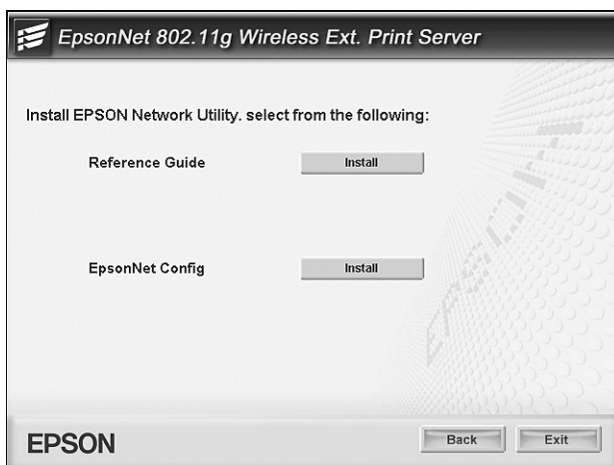
5. Read the license agreement, and then click Agree.



6. Select Install Network Utility.



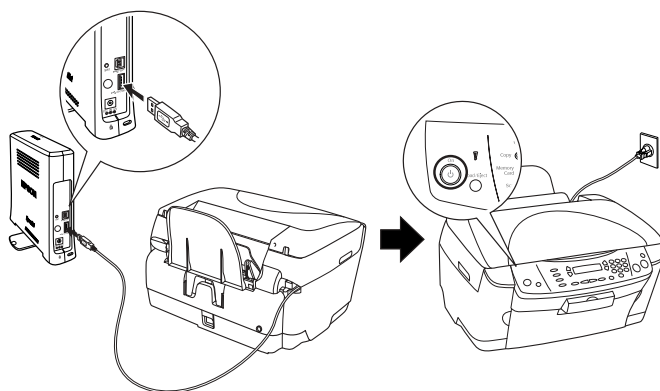
7. Click the **Install** button located next to **EpsonNet Config** to install EpsonNet Config. Follow the on-screen instructions to complete the installation.



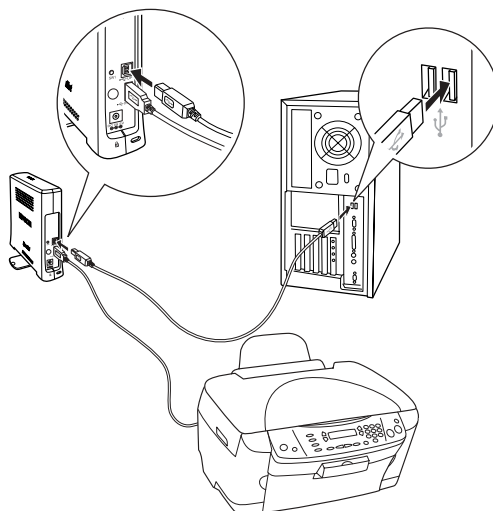
8. Restart your computer.
9. Connect the square connector to the USB port on the device, and then connect the other end to the USB downstream connector on the network interface. Finally, turn on the device.

Note:

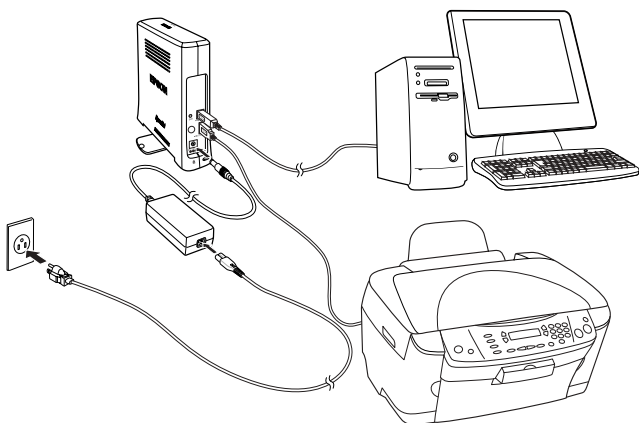
Be sure to use the USB cable that comes with the network interface.



10. Connect the square connector on the USB cable to the USB upstream connector on the network interface, and then connect the other end to the USB port on the computer.



11. Connect the power cord to the AC adapter, and then plug the AC adapter into the network interface's DC-IN connector. Finally, plug the power cord into a properly grounded wall outlet.



12. Configure the network interface using EpsonNet Config. See "Configuring the network interface" for details.

Configuring the network interface

Note:

It is a good idea to write down the SSID and WEP Key or WPA Personal password before taking the steps below.

1. Double-click the Macintosh HD icon. In the Applications folder, double-click the EpsonNet folder, and then double-click the EpsonNet Config folder. Finally, double-click the EpsonNet Config icon.



2. Select the device and then click the Configuration button.
3. Select Basic under Network. Make the following settings.

| Items | Explanations |
|--------------------|--|
| Communication Mode | Select a wireless LAN mode: Infrastructure or Ad Hoc. |
| Operation Mode | For 802.11g only: Select the operation mode from the list. |
| SSID | Enter or select the SSID (or ESSID) of the access point or wireless LAN (up to 32 characters). |
| Channel | When the mode is Ad Hoc, select the channel used on the network interface. If the mode is Infrastructure, this item is dimmed. |
| Transmission Rate | Select the transmission speed from the list. |

4. Click Security Level under Network. Make the following settings.

| Items | Explanations |
|--|--|
| Security Level | <p>Select the security level from the list.</p> <p>Note: If you are using EpsonNet 802.11g Wireless Ext. Print Server in the Ad Hoc mode, you cannot use WPA-Personal (TKIP) for the security level.</p> |
| WEP Authentication Method | <p>Select an authentication algorithm: Open System, Shared Key, or Automatic. (This item is dimmed when WPA-Personal (TKIP) is selected for the security level.)</p> |
| WEP Settings (appears for WEP-64bit or WEP-128bit security level) | |
| Input using hex | <p>Select this check box to set the WEP Key in hexadecimal.</p> |
| WEP Key (1 to 4) | <p>When you select 64 bit(40bit) for the length, you can set up to 4 WEP Keys. When you select 128 bit(104bit), you can set only one WEP Key.</p> <p>For 64bit and ASCII, enter 5 characters. For 64bit and Hex, enter 10 digit values. For 128bit and ASCII, enter 13 characters. For 128bit and Hex, enter 26 digit values.</p> <p>Note: The WEP Key disappears after the network interface is configured. Therefore, do not forget the WEP Key you have set.</p> |
| Active WEP Key | <p>Select one WEP Key as an active key before enabling use of encryption.</p> |
| WPA Settings (appears for WPA-Personal security level) | |
| Password | <p>Enter the password for WPA-Personal authentication (8 to 63 characters).</p> |
| Password (again) | <p>Enter the password again.</p> |

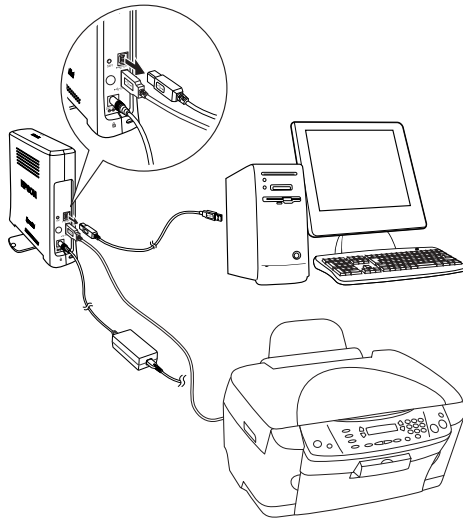
5. **For Mac OS X:**

Click **Basic** under **TCP/IP**. Select a method for specifying the IP address. If you select **Automatic**, **DHCP** becomes available and assigns an IP address automatically. If you want to set the IP address manually, select **Manual** and enter the IP address, subnet mask, and default gateway.

For Mac OS 9:

Click **Basic** under **AppleTalk**. Make sure the **Use AppleTalk** check box is selected, and then make the necessary settings.

6. Click the **Send** button to send the settings to the network interface.
7. Pull out the USB cable from your computer and the network interface.



8. Set up the device. See “Setting up the device” for details.

Setting up the device

The printer driver must be installed on the computer before you can set up the device. See the device's manual for information on installing the printer driver.

Mac OS X

1. Open the Applications folder.
2. Open the Utilities folder.
3. Open Print Center (for Mac OS X 10.2 or below) or Printer Setup Utility (for Mac OS X 10.3), and then click Add.
4. Select Rendezvous from the drop-down list.
5. Select the printer model from the list.
6. Click Add.

Mac OS 9

1. Open Chooser from the Apple menu.
2. Click the printer icon.
3. Select the zone containing the printer.
4. Select the printer name from the list.
5. Make sure AppleTalk is active.
6. Close Chooser.

Now you can use the device on the wireless network.

For EPSON STYLUS PHOTO RX500/600 and EPSON STYLUS CX4600/6400/6600 Users

For Windows

Configuring the network interface

Configure the network interface for use on the TCP/IP network, and install the drivers and the utility for the all-in-one on your computer.

Make sure the all-in-one is set up and the software for the all-in-one is installed on your computer before taking the steps below. See the manual shipped with the all-in-one for detailed instructions.

Note:

- ☐ *If EpsonNet WinAssist is installed on your computer, uninstall it before following the steps below.*
- ☐ *It is a good idea to write down the SSID and WEP Key or WPA Personal password before taking the steps below.*
- ☐ *Windows Server 2003 does not support this function.*

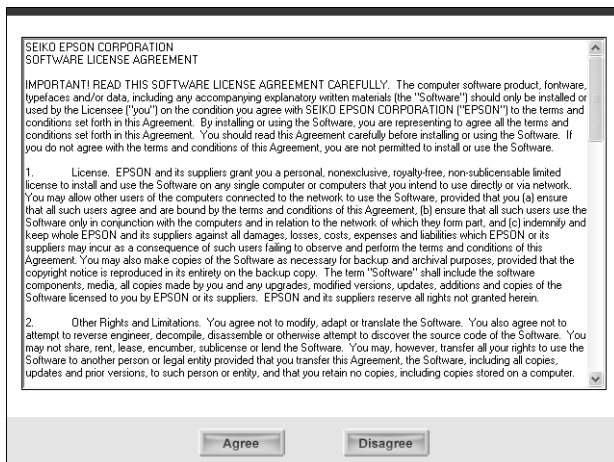
1. Insert the Software CD-ROM in the CD-ROM drive.

If the Installer dialog box does not appear automatically, double-click EPSETUP.EXE on the CD-ROM.

2. From the Welcome screen, click Next.



3. Read the license agreement, and then click Agree.



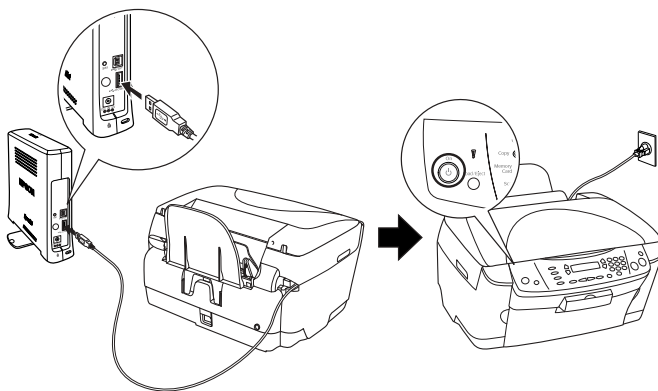
4. Select Connect the Wireless Print Server.



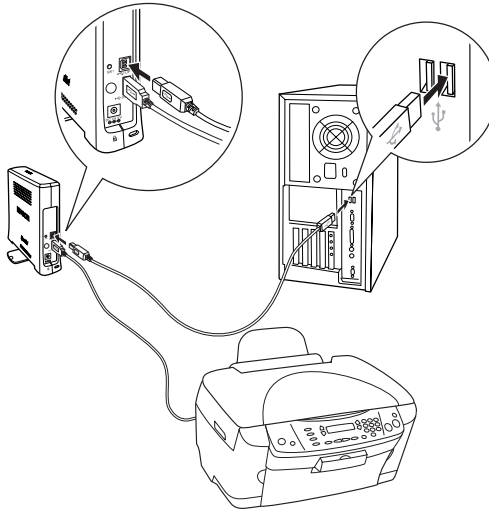
5. Connect the network interface and the all-in-one with a USB cable. Finally, turn on the all-in-one.

Note:

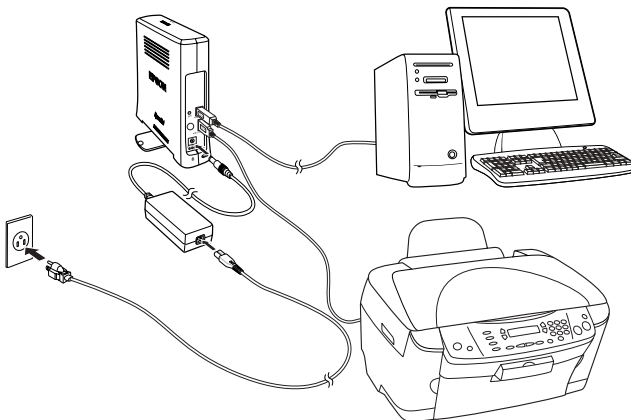
Be sure to use the USB cable that comes with the network interface. If the all-in-one has a built-in USB cable, use it to connect to the network interface.



6. Connect the square connector on the USB cable to the USB upstream connector on the network interface, and then connect the other end to the USB port on the computer.



7. Connect the power cord to the AC adapter, and then plug the AC adapter into the network interface's DC-IN connector. Finally, plug the power cord into a properly grounded wall outlet.



8. The “Found New Hardware Wizard” appears to prompt you to install the USB driver. Select the Install from a list or specific location radio button and then click Next.

Note for Windows XP Service Pack 2 Users:

If the following screen appears, select the No, not this time radio button, and then click Next.

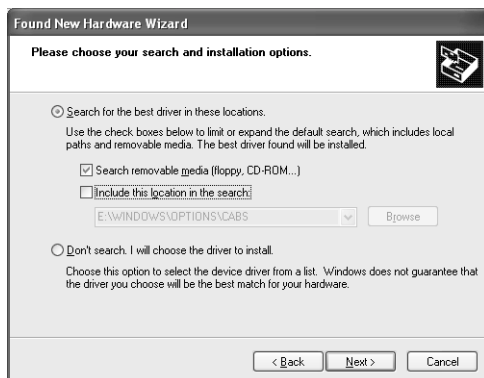


Note:

These screens may be different depending on the operating system.



9. Select the Search for the best driver in these locations radio button and select the Search removable media check box, and then click Next.



10. When the operation is completed, click Finish.



11. Click Next.



12. Select the device model name.



13. Click Install.



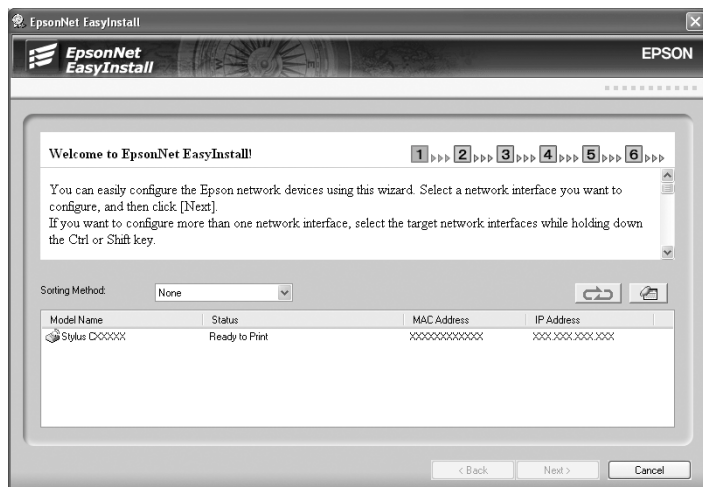
Note for Windows XP Service Pack 2 users:
If the following screen appears, click the Unblock button; otherwise the device is not listed on the screen of EpsonNet EasyInstall.



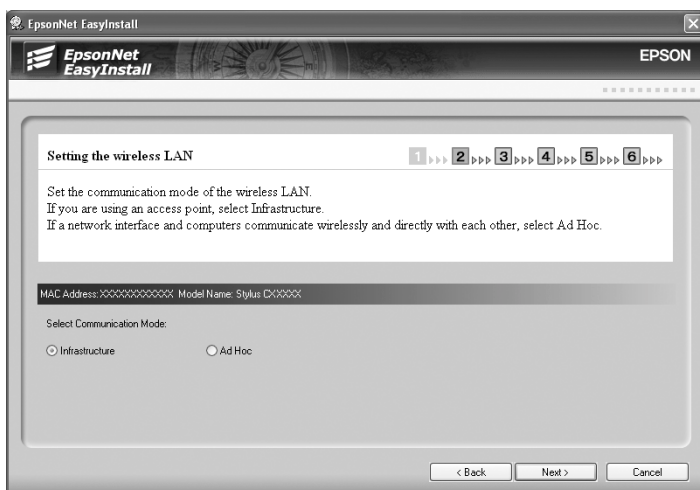
14. EpsonNet EasyInstall starts. Select the device and then click Next.

Note:

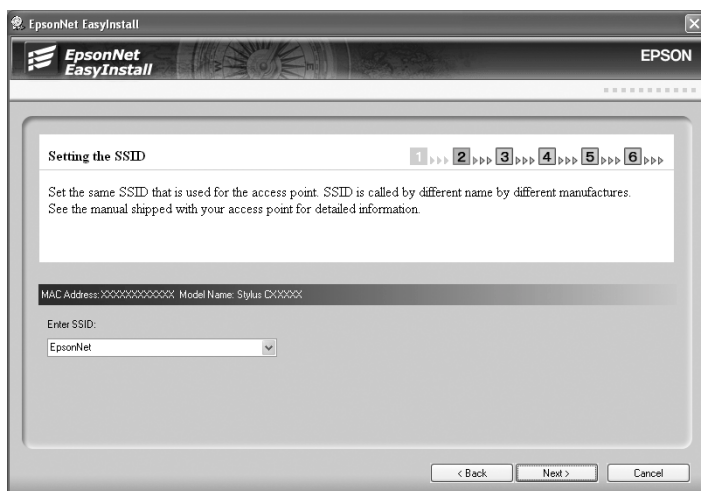
If “Printer” appears for the model name, this indicates the all-in-one is not connected to the network interface. Connect the all-in-one and the network interface with a USB cable, and then turn on the all-in-one; otherwise, you cannot install the driver as described in the following steps.



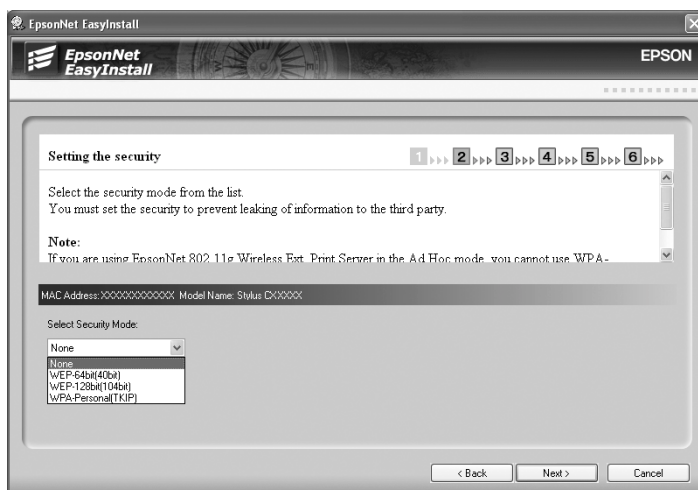
15. Select Infrastructure or Ad Hoc, and then click Next.



16. Enter or select the SSID of the access point or wireless LAN (up to 32 characters), and then click Next.

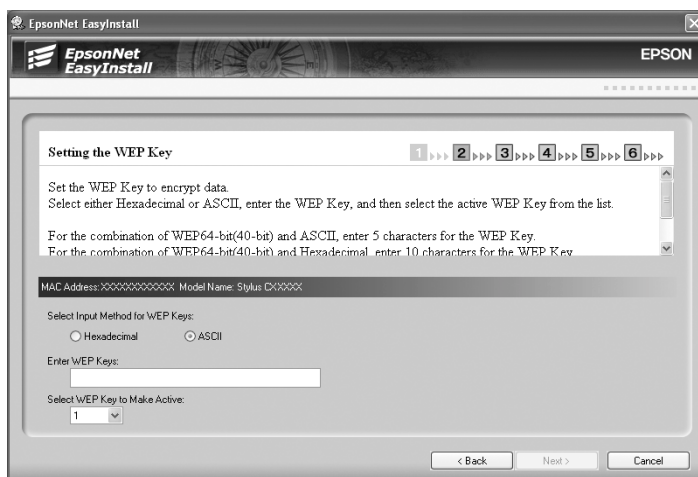


17. Select the security mode, and then click Next.

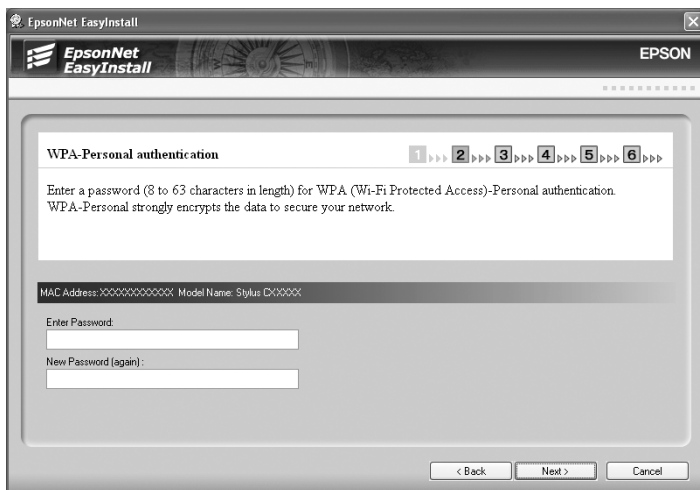


18. Enter the WEP Key or the WPA-Personal password, if necessary. Click Next.

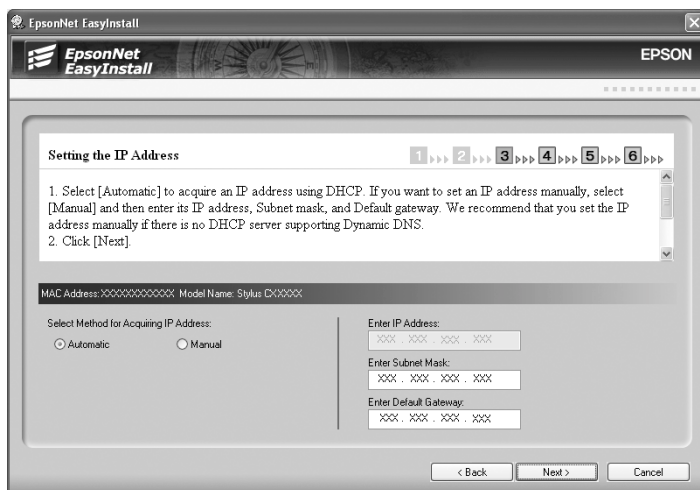
For WEP security:



For WPA security:



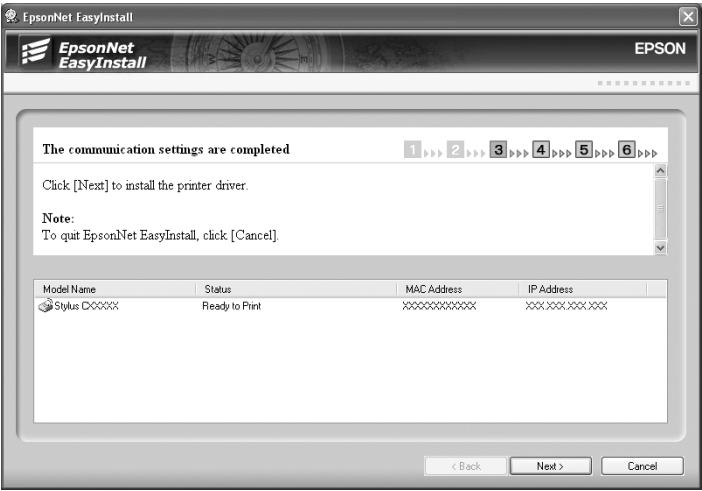
19. Select a method for specifying the IP address. If you select Automatic, DHCP becomes available and assigns an IP address automatically. If you want to set the IP address manually, select Manual and enter the IP address, subnet mask, and default gateway. Click Next.



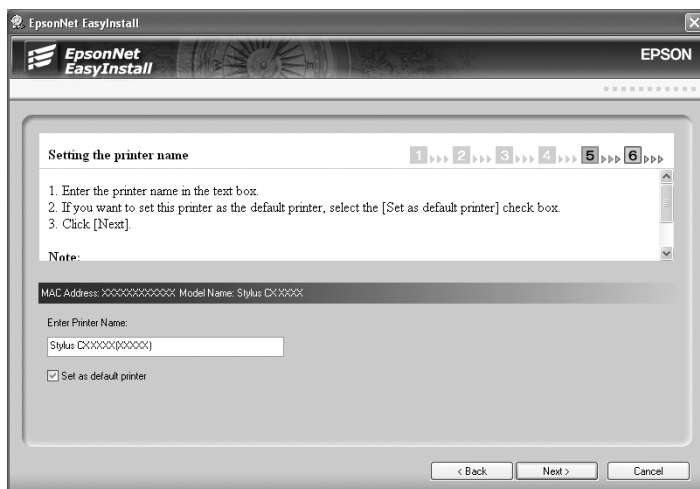
20. Check the settings you have made, and then click Next.



21. Select the device where you have just set the IP address, and then click Next to install the drivers and the utility.



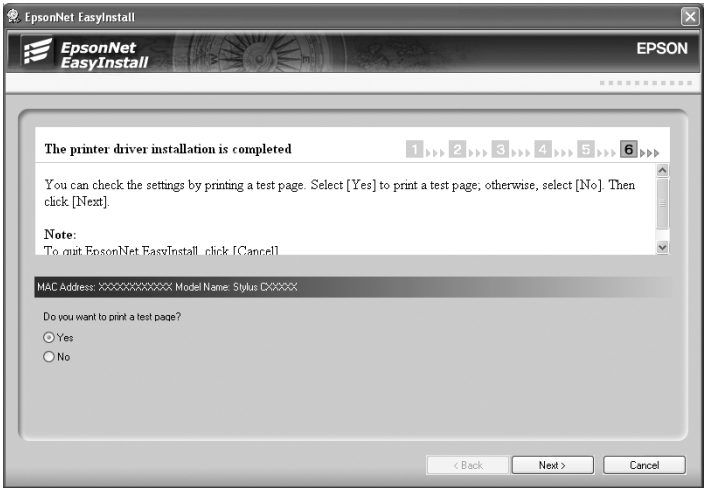
22. Enter the printer name. If you want to set the printer as the default printer, select the Set as default printer check box. Click Next.



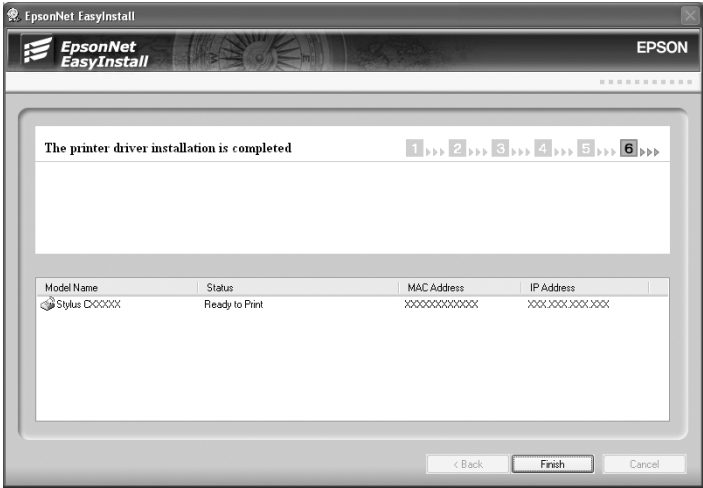
Note for Windows XP Service Pack 2 users:
If the following screen appears, click the Unblock button.



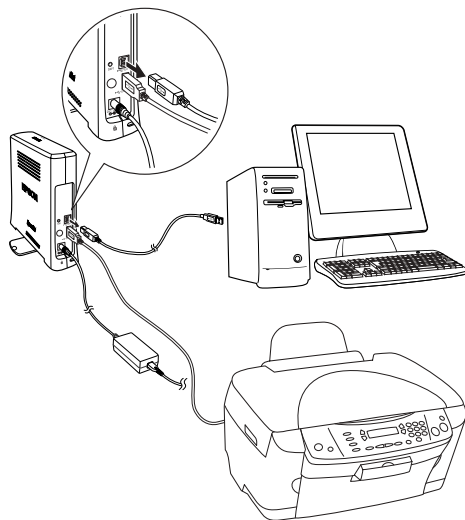
23. Select Yes to print a test page; otherwise, select No. Click Next.



24. Click Finish to complete the installation.



25. Pull out the USB cable from your computer and the network interface.



Now you can use the device on the wireless network.

Scanning via a wireless network

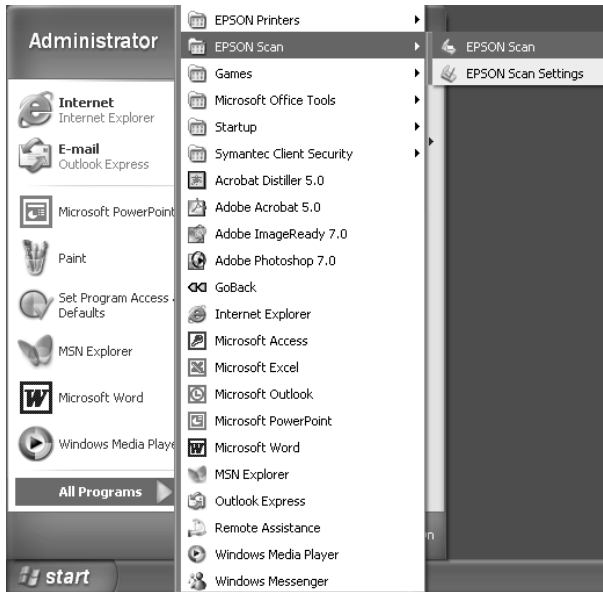
You can scan images via a wireless network. For details on the scanning function, see the documentation shipped with your device or the online help for EPSON Scan.

Note:

Windows Server 2003 does not support this function.

Starting EPSON Scan

Click Start, point to All Programs (for Windows XP users) or Programs (for Windows Me/98/2000 users) and EPSON Scan, and then select EPSON Scan. The EPSON Scan screen appears.



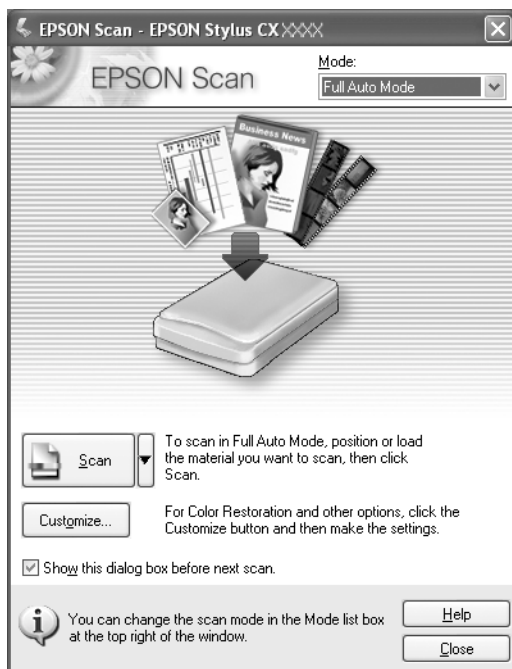
Note:

- ❑ If EPSON Scan does not start, see “Making settings for EPSON Scan” for details.
- ❑ You cannot start Smart Panel on the computer by pushing the button on the LCD panel of the all-in-one via a wireless network.

Getting information through the online help

EPSON Scan has an online help that provides you with instructions on scanning and making driver settings.

Click Help in any of the dialog boxes in EPSON Scan.



Making settings for EPSON Scan

1. Click Start, point to All Programs (for Windows XP users) or Programs (for Windows Me/98/2000 users) and EPSON Scan, and then select EPSON Scan Settings. The EPSON Scan Settings dialog box appears.



2. Select the model name of your device from the Select Scanner drop-down list.

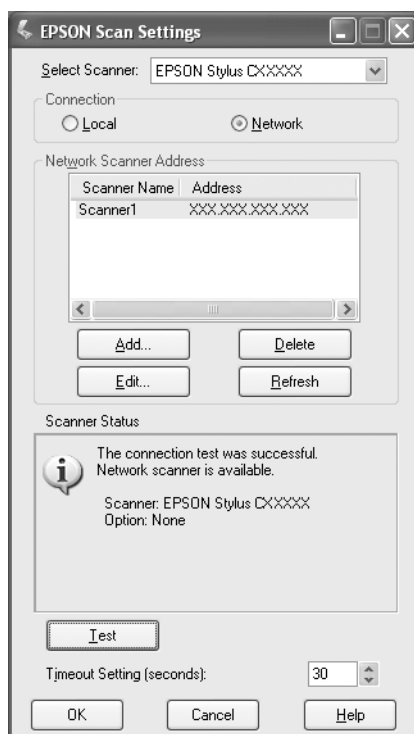
3. Select the Network radio button.



4. Click the Test button. Make sure the device in the Scanner Status text box is available for use on the network.

Note:

If the network connection fails, see EPSON Scan Troubleshooting Assistant.



5. Click OK.

Using the network storage

You can display or read data on the memory card via a wireless network.

Note:

- ❑ You can use this function on Windows XP/2000 only.

- ❑ *You can only display or read data on the memory card.*
- ❑ *When you access the Network Storage and delete data on the memory card, the data disappears. However, the data is not actually deleted so the data appears again when you select Refresh from the View menu.*

Accessing the network storage

The network drive you mapped appears in My Computer. To display or read the file, double-click the network drive icon.

Note:

When the network drive does not appear in My Computer, connect it manually. See “Using the network storage” for more details.

Disconnecting the network storage

To disconnect the network drive of the network storage, right-click the network drive icon, and then select Disconnect.

Changing the network storage information

You can change the host name or the storage name you specified in the Run dialog box by using EpsonNet Config. For more detailed information, see *EpsonNet Config Reference Guide* or “About EpsonNet Config”.

For Macintosh

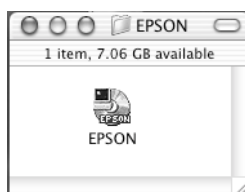
Configuring the network interface

Configure the network interface for use on the TCP/IP network, and install the drivers for the all-in-one and the utility on your computer.

Make sure the all-in-one is set up and the software for the all-in-one is installed on your computer before taking the steps below. See the manual shipped with the all-in-one for detailed instructions.

Note:

- ❑ *This section explains the instructions using Mac OS X. The instructions are almost the same for Mac OS 9.*
 - ❑ *It is a good idea to write down the SSID and WEP Key or WPA Personal password before taking the steps below.*
1. Insert the Software CD-ROM in the CD-ROM drive.
 2. Double-click the EPSON CD-ROM icon.



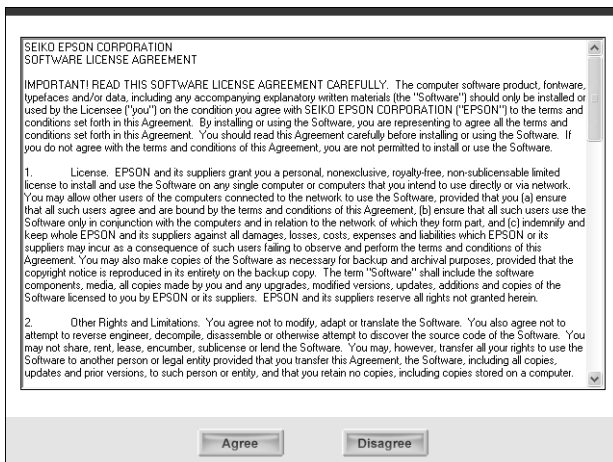
3. Double-click the appropriate OS icon in the EPSON folder.



4. From the Welcome screen, click Next.



5. Read the license agreement, and then click Agree.



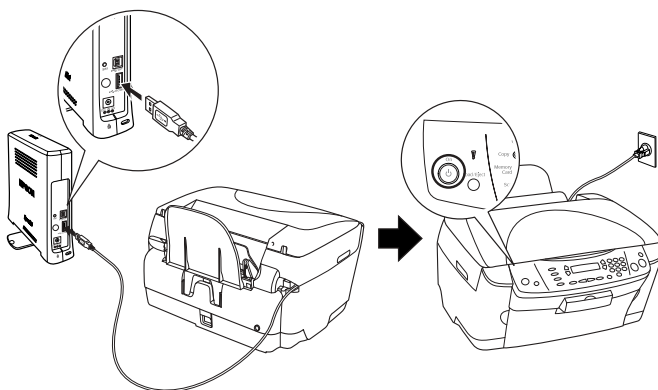
6. Select Connect the Wireless Print Server.



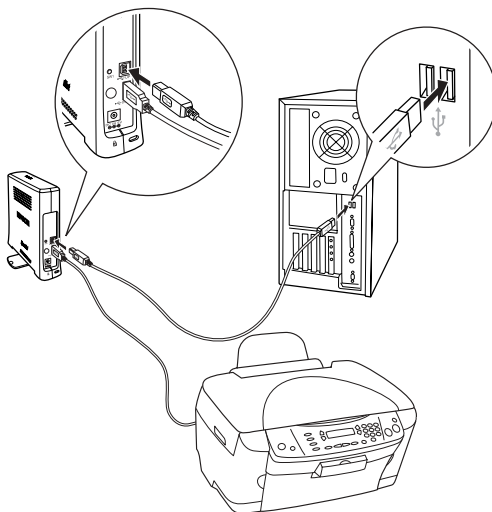
7. Follow the on-screen instructions to install the USB driver.
8. Connect the network interface and the all-in-one with a USB cable. Finally, turn on the all-in-one.

Note:

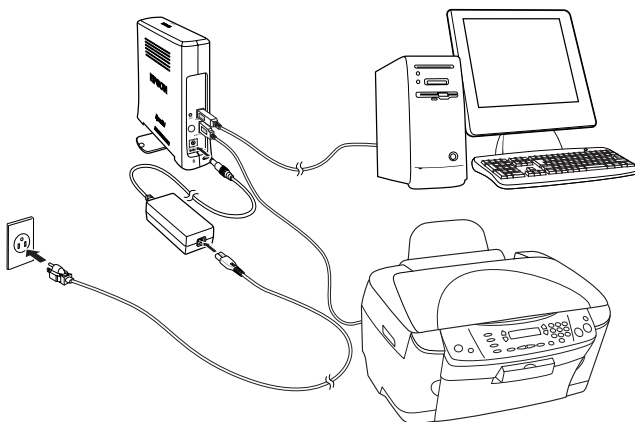
Be sure to use the USB cable that comes with the network interface. If the all-in-one has a built-in USB cable, use it to connect to the network interface.



9. Connect the square connector on the USB cable to the USB upstream connector on the network interface, and then connect the other end to the USB port on the computer.



10. Connect the power cord to the AC adapter, and then plug the AC adapter into the network interface's DC-IN connector. Finally, plug the power cord into a properly grounded wall outlet.



11. Click Next.



12. Select the device model name.



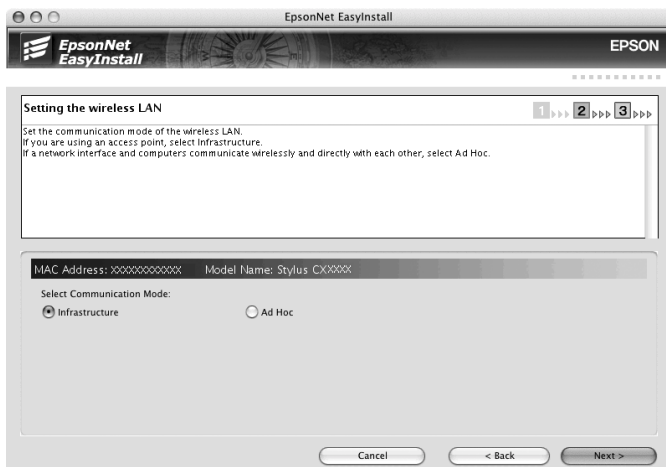
13. Click Install.



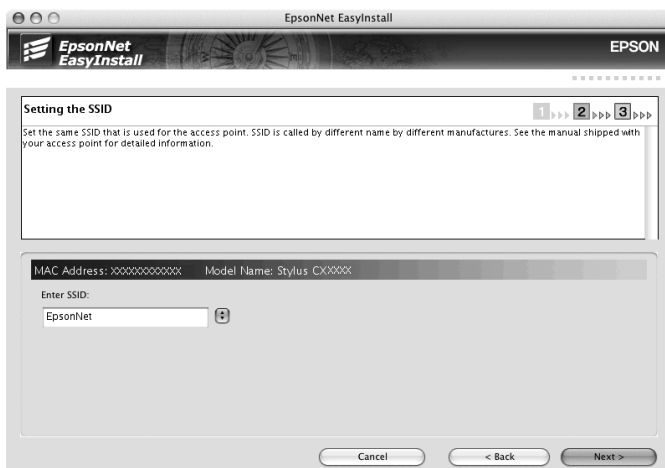
14. EpsonNet EasyInstall starts. Select the device and then click Next.



15. Select Infrastructure or Ad Hoc, and then click Next.



16. Enter or select the SSID of the access point or wireless LAN (up to 32 characters), and then click Next.

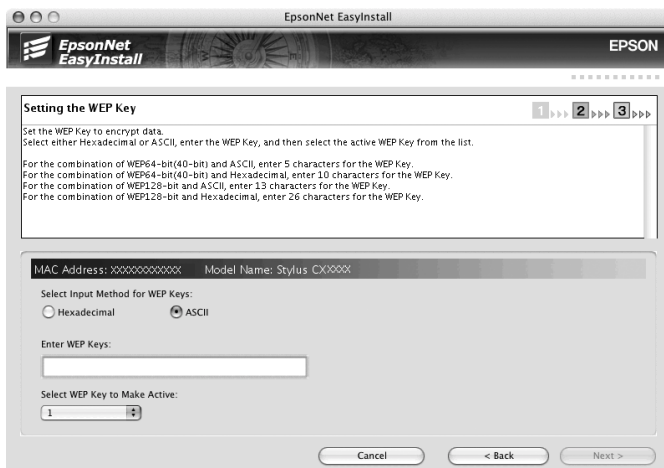


17. Select the security mode, and then click Next.

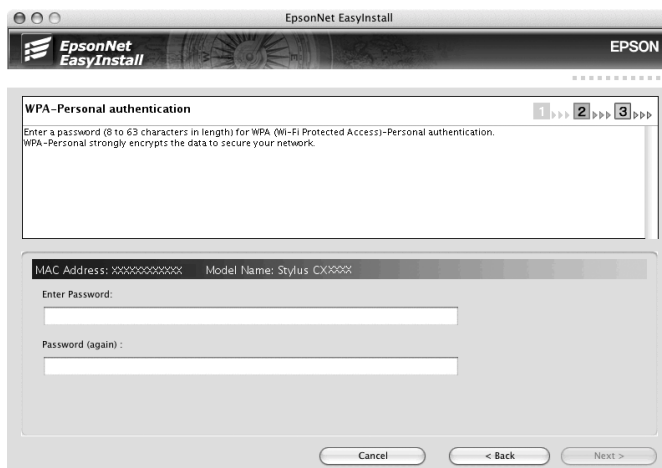


18. Enter the WEP Key or the WPA-Personal password, if necessary. Click Next.

For WEP security:



For WPA security:



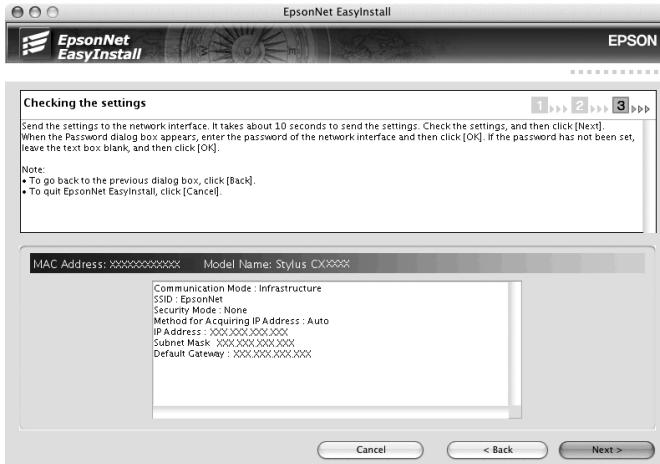
The dialog box is titled "EpsonNet EasyInstall" and "EPSON". It has a progress bar at the top with three steps: 1, 2, and 3. Step 2 is currently selected. The main text area says "WPA-Personal authentication" and "Enter a password (8 to 63 characters in length) for WPA (Wi-Fi Protected Access)-Personal authentication. WPA-Personal strongly encrypts the data to secure your network." Below this, there are two input fields: "Enter Password:" and "Password (again):". At the bottom, there are three buttons: "Cancel", "< Back", and "Next >".

19. Select a method for specifying the IP address. If you select Auto, DHCP becomes available and assigns an IP address automatically. If you want to set the IP address manually, select Manual and enter the IP address, subnet mask, and default gateway. Click Next.

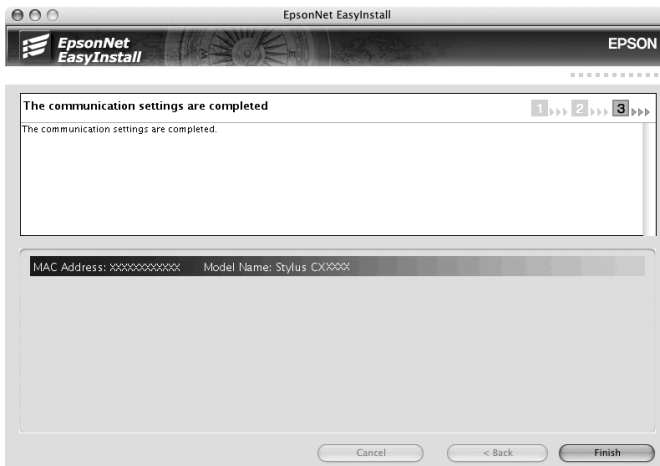


The dialog box is titled "EpsonNet EasyInstall" and "EPSON". It has a progress bar at the top with three steps: 1, 2, and 3. Step 2 is currently selected. The main text area says "Setting the IP Address" and "1. Select [Automatic] to acquire an IP address using DHCP. If you want to set an IP address manually, select [Manual] and then enter its IP address, Subnet mask, and Default gateway. We recommend that you set the IP address manually if there is no DHCP server supporting Dynamic DNS. 2. Click [Next]. Note: • To go back to the previous dialog box, click [Back]. • To quit EpsonNet Easyinstall, click [Cancel].". Below this, there are two radio buttons: "Auto" (selected) and "Manual". To the right of the radio buttons, there are three input fields: "Enter IP Address:", "Enter Subnet Mask:", and "Enter Default Gateway:". At the bottom, there are two buttons: "Cancel" and "< Back".

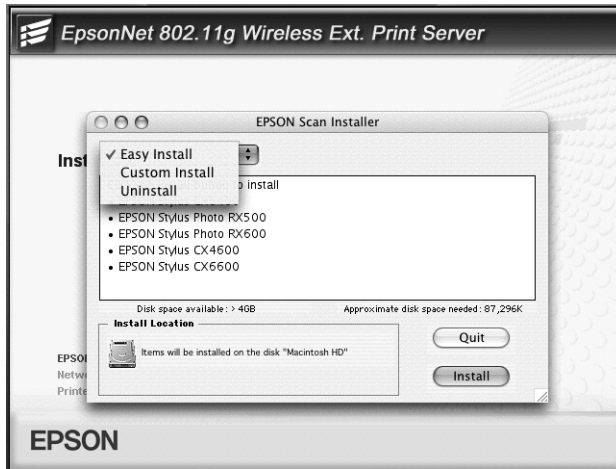
20. Check the settings you have made, and then click Next.



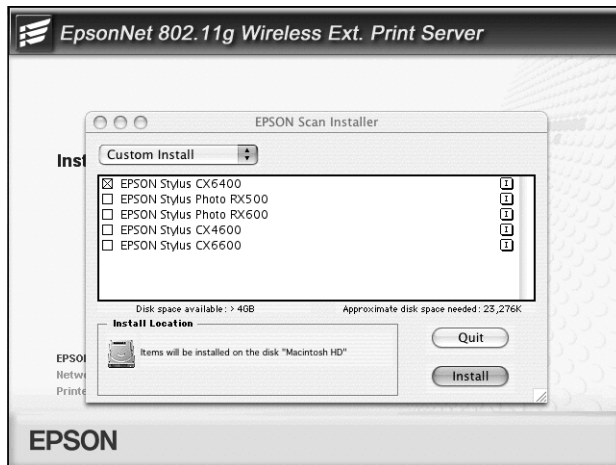
21. Click Finish to exit EpsonNet EasyInstall.



22. EPSON Scan Installer starts. Select Custom Install from the pull-down menu.

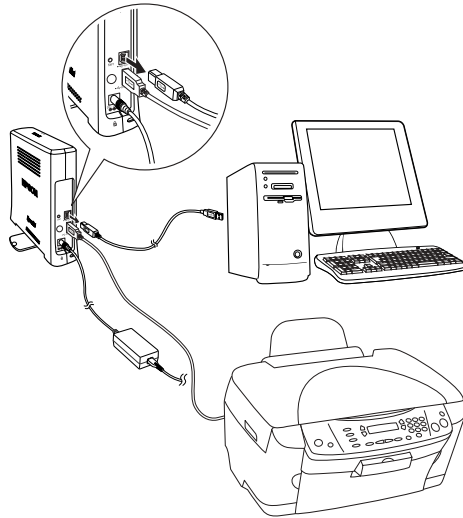


23. Select the model of the all-in-one from the list, and then click Install.



24. Follow the on-screen instructions to install the printer driver and utilities.

25. Restart your computer.
26. Pull out the USB cable from your computer and the network interface.



27. Setup the device. See "Setting up the device" for details.

Setting up the device

Mac OS X

1. Open the Applications folder.
2. Open the Utilities folder.
3. Open Print Center (for Mac OS X 10.2 or below) or Printer Setup Utility (for Mac OS X 10.3), and then click Add.
4. Select Rendezvous from the drop-down list.

5. Select the device model from the list.
6. Click Add.

Mac OS 9

1. Double-click the Macintosh HD icon. In the Applications folder, double-click the EpsonNet folder, and then double-click the EpsonNet Config folder. Finally, double-click the EpsonNet Config icon.
2. Select the device and then click the Configuration button.
3. Click Basic under AppleTalk. Make sure the Use AppleTalk check box is selected, and then make the necessary settings.
4. Click the Send button to send the settings to the network interface.
5. Open Chooser from the Apple menu.
6. Click the printer icon.
7. Select the zone containing the printer.
8. Select the printer name from the list.
9. Make sure AppleTalk is active.
10. Close Chooser.

Now you can use the device on the wireless network.

Scanning via a wireless network

You can scan images via a wireless network. For details on the scanning function, see the documentation shipped with your device or the online help for EPSON Scan.

Making settings for EPSON Scan

1. Mac OS X

Double-click the Macintosh HD icon. In the Applications folder, double-click the Utilities folder. Then double-click the EPSON Scan Settings icon.



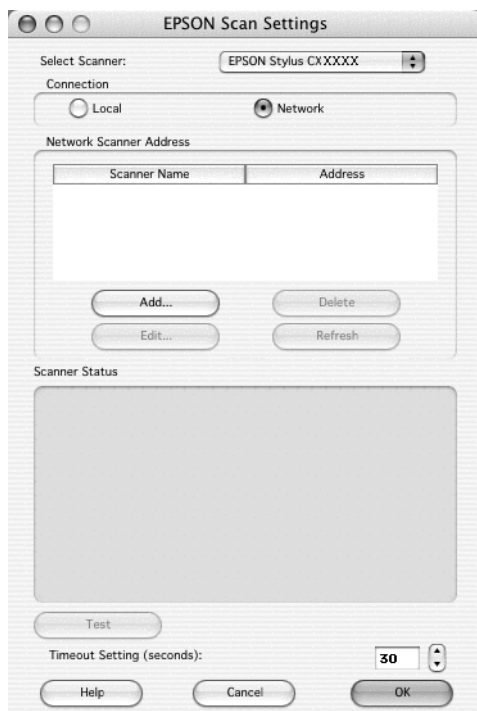
EPSON Scan Settings

Mac OS 9

Click the Apple menu, point to Control Panels, and then select EPSON Scan Settings.

2. Select the model of your device from the Select Scanner drop-down list.

3. Select the Network radio button, and then click the Add button.



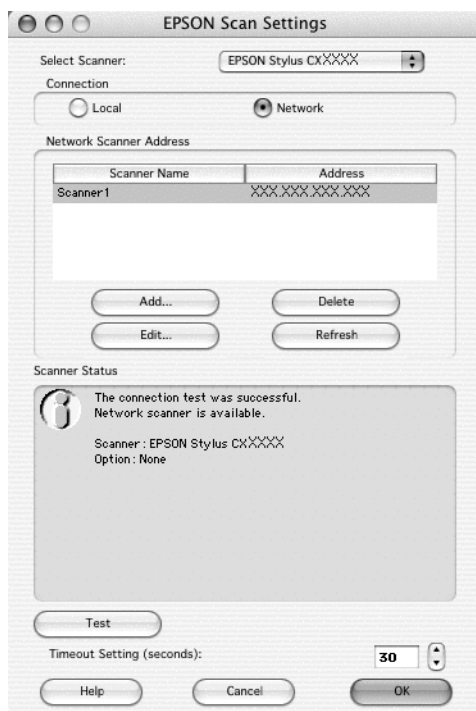
4. Select the IP address, and then click OK.

The screenshot shows a dialog box titled "Add". It contains a "Scanner Name" field with the text "Scanner1". Below this, there are two radio buttons. The first is "Search for addresses", which is selected. To its right are two buttons: "Retry" and "Break". Below the "Search for addresses" radio button is a list box showing a grid of 'X' marks, representing a search progress or results. Below the list box is a status bar that says "Search is complete.". The second radio button is "Enter address", which is not selected. Below it is a text box and a note: "(Use this option when addresses do not appear above.)". At the bottom of the dialog are three buttons: "Help", "Cancel", and "OK".

5. Click the Test button. Make sure the device in the Scanner Status text box is available for use on the network.

Note:

If the network connection fails, see EPSON Scan Troubleshooting Assistant.



6. Click OK.

Starting EPSON Scan

Mac OS X

Double-click the Macintosh HD icon. In the Applications folder, double-click the EPSON Scan icon. The EPSON Scan screen appears.

Mac OS 9

From the Apple menu, select EPSON Scan. The EPSON Scan screen appears.

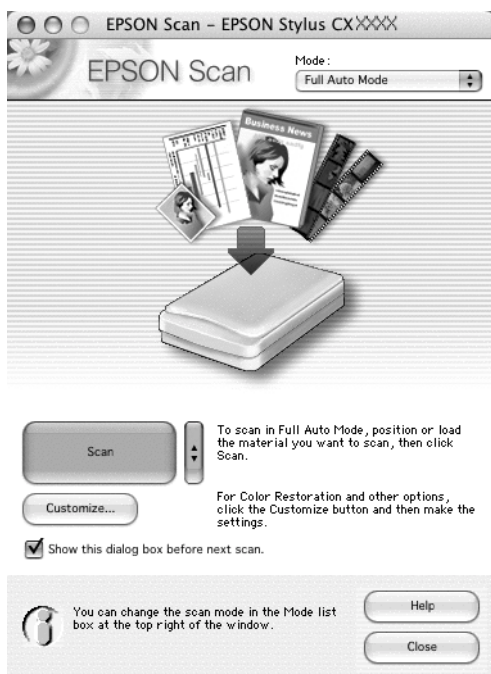
Note for Mac OS X and 9:

- ❑ If EPSON Scan does not start, see “Making settings for EPSON Scan” for details.
- ❑ You cannot start Smart Panel on the computer by pushing the button on the LCD panel of the all-in-one via a wireless network.

Getting information through the online help

EPSON Scan has an online help that provides you with instructions on scanning and making driver settings.

Click Help in any of the dialog boxes in EPSON Scan.



Installing the Printer Driver

About Installing the Printer Driver

To print to the network device, you need to install the printer driver on the computer. See the section appropriate for your operating system.

“Windows XP”

“Windows Me/98”

“Windows Server 2003”

“Windows 2000”

“Macintosh”

“OS/2”

Windows XP

For Windows XP, the printer driver installation procedure differs depending on the printing method you prefer. Epson recommends printing with EpsonNet Print. See “For Windows XP/Server 2003/2000/NT 4.0 Users”.

LPR printing

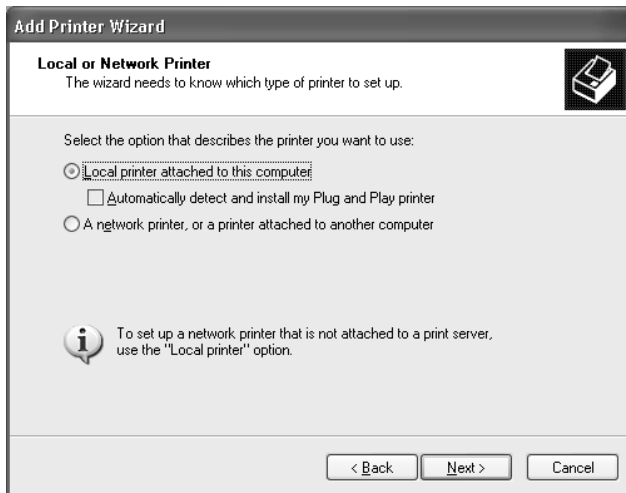
Note:

If you are using EpsonNet Print, the setup procedure is different. See “About EpsonNet Print” for details.

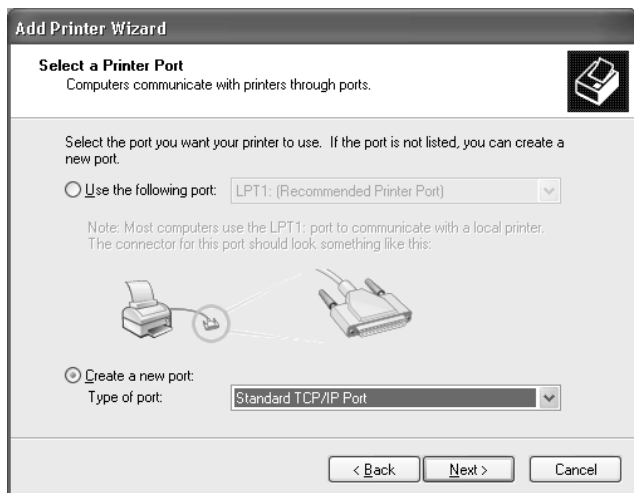
1. Click Start, click Control Panel, click Printers and Other Hardware, and then click Printers and Faxes.
2. Under Printer Tasks, click Add a printer to start the Add Printer wizard, and then click Next.
3. Click Local printer attached to this computer, clear the Automatically detect and install my Plug and Play printer check box, and then click Next.

Note:

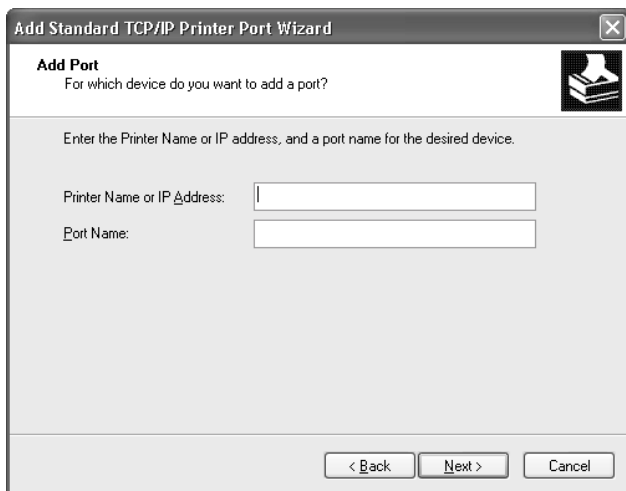
You must clear the Automatically detect and install my Plug and Play printer check box because the device is attached directly to the network, not to a Windows XP computer.



4. Select the Create a new port radio button, and then select Standard TCP/IP Port from the list. Then click Next.



5. Enter the IP address of the network interface and then click Next.



6. If an error occurs, the following dialog box appears. Select the Standard radio button and then select EPSON Network Printer. Click Next.



7. Click Finish.
8. See “Installing a printer driver” to install the printer driver.

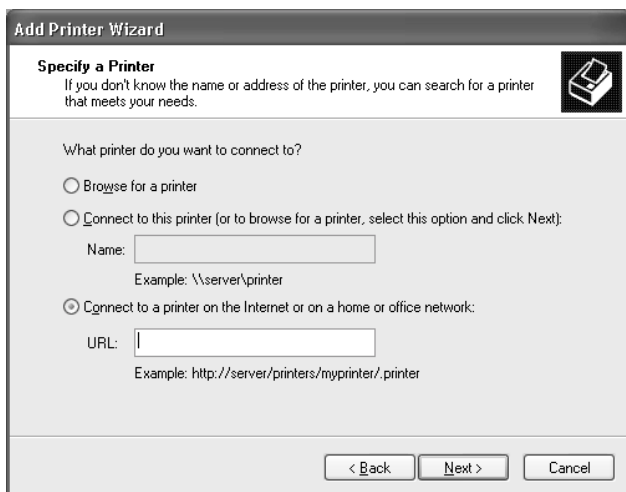
Internet printing

1. Click Start, click Control Panel, click Printers and Other Hardware, and then click Printers and Faxes.
2. Under Printer Tasks, click Add a printer to start the Add Printer wizard, and then click Next.
3. Click A network printer, or a printer attached to another computer, and then click Next.
4. Select the Connect to a printer on the Internet or on a home or office network radio button.

5. Enter the URL of the target device using the format below. The URL should be same as the URL you set on EpsonNet Config's IPP configuration page.

http://IP address of network interface:631/Printer name

Example: **http://192.168.100.201:631/EPSON_IPP_Printer**



Note:

To check the IP address of the network interface, use EpsonNet Config. See "About EpsonNet Config" for details.

6. Follow the on-screen instructions to set up the device. See "Installing a printer driver" if necessary.

Microsoft Network Shared printing

1. Click Start, click Control Panel, click Printers and Other Hardware, and then click Printers and Faxes.

2. Under Printer Tasks, click Add a printer to start the Add Printer wizard, and then click Next.
3. Click A network printer, or a printer attached to another computer, and then click Next.
4. Select the Browse for a printer radio button, and then click Next.
5. Enter the following in the Printer box or select the device you want to use from the Shared printers list box, and then click Next.

\\NetBIOS name of network interface\Device name of network interface

6. Follow the on-screen instructions to set up the device. See “Installing a printer driver” if necessary.

Installing a printer driver

1. Insert the Software CD-ROM shipped with the device.
2. Close the EPSON Software Installation screen if it appears.
3. Click the Have Disk button. The Install From Disk dialog box appears.
4. Click Browse.
5. Select the CD-ROM drive for Drives, and double-click the WINXP_2K folder. Click Open.
6. Click OK in the Install From Disk dialog box.
7. Select the model name of the device, and then click Next.

Note:

If the Add Printer wizard prompts you to select either Keep existing driver or Replace existing driver, be sure to select the Replace existing driver radio button.

8. Click Finish and follow the on-screen instructions to complete the setup.

When you print using Microsoft Network Shared printing in the Windows XP/Server 2003/2000/NT environment, see "Using the NET USE command" for more details.

Note for Windows users

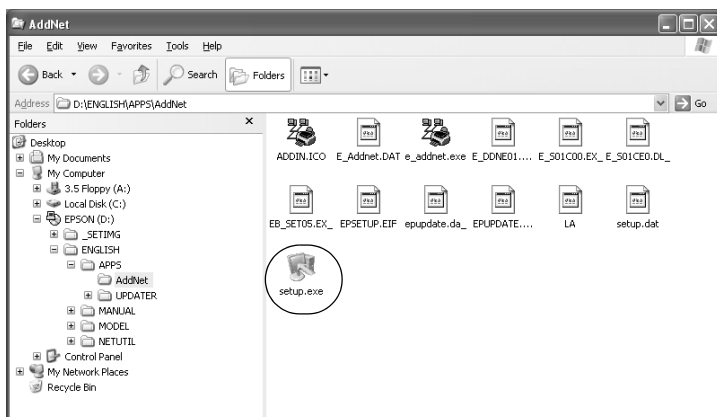
Follow the steps below after installing the printer driver. You can use EPSON Status Monitor 3 via the wireless network.

1. Insert the Software CD-ROM in the CD-ROM drive.

If the Installer dialog box appears automatically, click the Exit button.

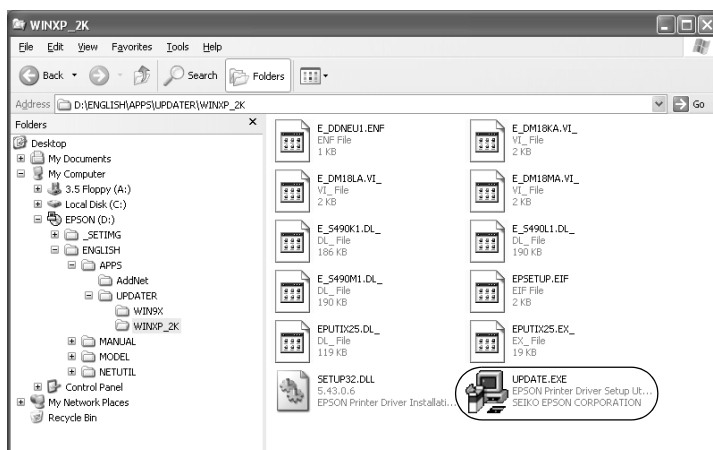
2. Double-click the CD-ROM drive.
3. In the ENGLISH folder, open the APPS folder, and then open the AddNet folder.

4. Double-click SETUP.EXE. Follow the on-screen instructions.



Note for EPSON STYLUS PHOTO RX500/600 and EPSON STYLUS CX4600/6400/6600 users

5. In the ENGLISH folder, open the APPS folder, open the UPDATER folder, and then open the WINXP_2K folder.
6. Double-click UPDATE.EXE. Follow the on-screen instructions.



Using the NET USE command

If you are running Windows XP/Server 2003/2000/NT and using NetBIOS to connect to the device, we recommend that you use the NET USE command, as follows:

1. Click Start, click Control Panel, click Network and Internet Connections, and then select Network Connections.
2. Under LAN or High-Speed Internet, click the Local Area Connection icon.
3. Under Network Tasks, click Change settings of this connection.
4. Check that Client for Microsoft Networks is installed. If it is not installed, click Install to install it.
5. Run the command prompt and enter the following command.

NET USE *printer port: \\NetBIOS name of network interface\Device name of network interface*

Selecting the port

1. Click Start, click Control Panel, click Printers and Other Hardware, and then click Printers and Faxes.
2. Right-click the printer icon and then select Properties.
3. Click the Ports tab and then select the port you have set with the NET USE command.

Windows Me/98

For Windows Me/98, the printer driver installation procedure differs depending on the printing method you prefer. Epson recommends printing with EpsonNet Print. See “For Windows Me/98/95 Users”.

LPR printing

Since Windows Me/98 does not support LPR, standard TCP/IP printing cannot be used. However, you can print via TCP/IP using the EpsonNet Print utility included on the Software CD-ROM. First, install EpsonNet Print. Then, install the printer driver. See “About EpsonNet Print” for more details.

Internet printing (Windows 98)

Internet printing is possible by using the EpsonNet Internet Print utility included on the Software CD-ROM. First, install EpsonNet Internet Print. Then, install the printer driver and set the printer port. See “About EpsonNet Internet Print” for more details.

Internet printing (Windows Me)

Installing the IPP client

The IPP client must be installed on your computer. Follow the steps below to install it.

1. Insert the Windows Me CD-ROM.
2. Select the add-ons folder, and then select the IPP folder.

3. Double-click wpnpins.exe. Then follow the on-screen instructions.
4. Click OK to restart your computer.

Setting up the device

Connect your computer to a device through IPP.

1. Click Start, point to Settings, and then select Printers.
2. Double-click Add Printer, and then click Next.
3. Select the Network Printer radio button, and then click Next.
4. Type the URL of the device, and then click Next.

http:// *IP address of network interface*:631/*printer name*

Example: **http://192.168.100.201:631/EPSON_IPP_Printer**

Note:

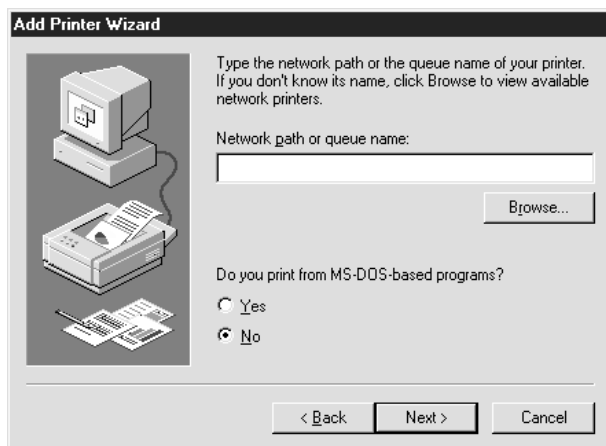
To check the IP address of the network interface, use EpsonNet Config. See “About EpsonNet Config” for details.

5. See “Installing a printer driver” to install the printer driver.

Microsoft Network Shared printing

1. Click Start, point to Settings, and then select Printers.
2. Double-click Add Printer, and then click Next.
3. Select the Network Printer radio button, and then click Next.
4. Click Browse, and then select the network path from the list. If you cannot browse, enter the following in the Network path or queue name box.

\\NetBIOS name of network interface\
Device name of network interface



5. The Add Printer wizard appears. Click Next.
6. See “Installing a printer driver” to install the printer driver.

Installing a printer driver

1. Insert the Software CD-ROM shipped with the device.
2. Close the EPSON Software Installation screen if it appears.
3. Click the Have Disk button. The Install From Disk dialog box appears.
4. Click Browse.
5. Select the CD-ROM drive for Drives, and then double-click the WIN9X folder. Click OK.
6. Click OK in the Install From Disk dialog box.
7. Select the model name of the device, and then click Next.

Note:

If the Add Printer wizard prompts you to select either Keep existing driver or Replace existing driver, be sure to select the Replace existing driver radio button.

8. Click Finish and follow the on-screen instructions to complete the setup.

When you print using Microsoft Network Shared printing in the Windows XP/Server 2003/2000/NT environment, see "Using the NET USE command" for more details.

Note for Windows users

Follow the steps below after installing the printer driver. You can use EPSON Status Monitor 3 via the wireless network.

1. Insert the Software CD-ROM in the CD-ROM drive.

If the Installer dialog box appears automatically, click the Exit button.

2. Double-click the CD-ROM drive.
3. In the ENGLISH folder, open the APPS folder, and then open the AddNet folder.
4. Double-click SETUP.EXE. Follow the on-screen instructions.

Note for EPSON STYLUS PHOTO RX500/600 and EPSON STYLUS CX4600/6400/6600 users

5. In the ENGLISH folder, open the APPS folder, open the UPDATER folder, and then open the WIN9X folder.
6. Double-click UPDATE.EXE. Follow the on-screen instructions.

Using the NET USE command

If you are running Windows XP/Server 2003/2000/NT and using NetBIOS to connect to the device, we recommend that you use the NET USE command, as follows:

1. Right-click the Network Neighborhood icon or My Network Places icon and then select Properties.
2. Check that Client for Microsoft Networks is in the Components list. If it is not installed, click Add to install it.
3. Run the command prompt and enter the following command.

NET USE *printer port: \\NetBIOS name of network interface\Device name of network interface*

Selecting the port

1. Click Start, point to Settings, and then select Printers.
2. Right-click the printer icon and select Properties.
3. Click the Details tab and select the port you have set with the NET USE command.

Windows Server 2003

For Windows Server 2003, the printer driver installation procedure differs depending on the printing method you prefer. Epson recommends printing with EpsonNet Print. See “For Windows XP/Server 2003/2000/NT 4.0 Users”.

LPR printing

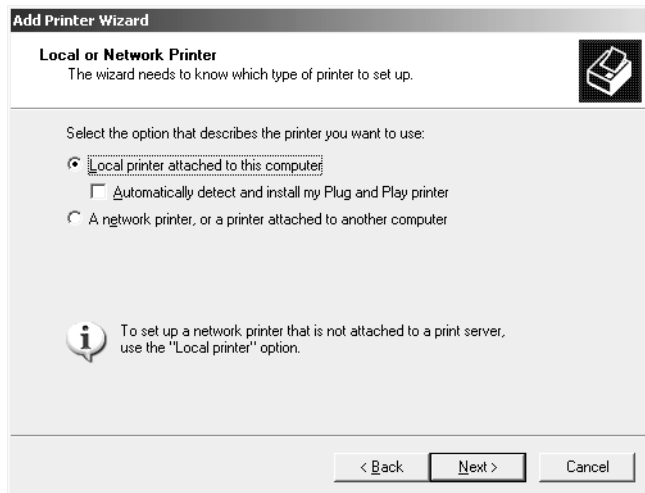
Note:

If you are using EpsonNet Print, the setup procedure is different. See "About EpsonNet Print" for details.

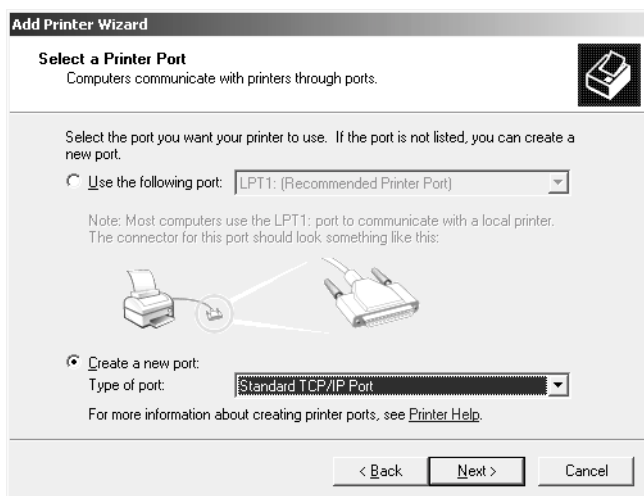
1. Click Start, and then select Printers and Faxes.
2. Double-click the Add Printer icon to start the Add Printer wizard, and then click Next.
3. Click Local printer attached to this computer, clear the Automatically detect and install my Plug and Play printer check box, and then click Next.

Note:

You must clear the Automatically detect and install my Plug and Play printer check box because the device is attached directly to the network, not to a computer.



4. Select the Create a new port radio button, and then select Standard TCP/IP Port from the list. Click Next.



5. When Add Standard TCP/IP Printer Port Wizard dialog box appears, click Next.

6. Enter the IP address of the network interface and then click Next.

Add Standard TCP/IP Printer Port Wizard

Add Port
For which device do you want to add a port?

Enter the Printer Name or IP address, and a port name for the desired device.

Printer Name or IP Address:

Port Name:

< Back **Next >** Cancel

7. If an error occurs, the following dialog box appears. Select the Standard radio button and then select EPSON Network Printer. Click Next.

Add Standard TCP/IP Printer Port Wizard

Additional Port Information Required
The device could not be identified.

The device is not found on the network. Be sure that:

1. The device is turned on.
2. The network is connected.
3. The device is properly configured.
4. The address on the previous page is correct.

If you think the address is not correct, click Back to return to the previous page. Then correct the address and perform another search on the network. If you are sure the address is correct, select the device type below.

Device Type

☒ **Standard** EPSON Network Printer

☐ Custom Settings...

< Back **Next >** Cancel

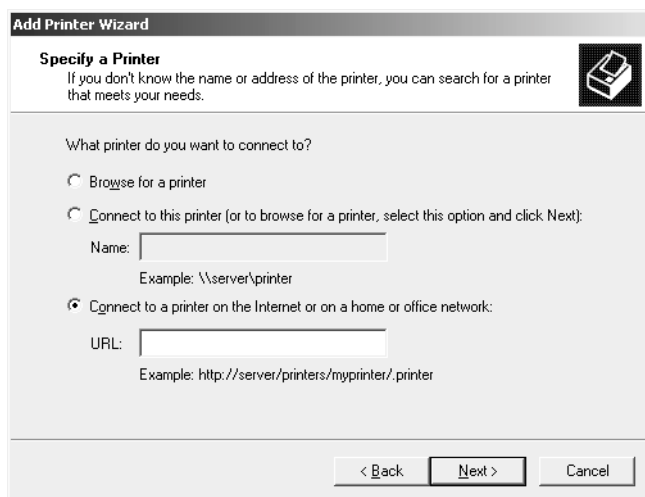
8. Click Finish.
9. See “Installing a printer driver” to install the printer driver.

Internet printing

1. Click Start, and then select Printers and Faxes.
2. Double-click the Add Printer icon to start the Add Printer wizard, and then click Next.
3. Select A network printer, or a printer attached to another computer, and then click Next.
4. Select the Connect to a printer on the Internet or on a home or office network radio button.
5. Enter the URL of the target device using the format below. The URL must be the same URL you set on EpsonNet Config’s IPP configuration page.

http://IP address of network interface:631/Printer name

Example: **http://192.168.100.201:631/EPSON_IPP_Printer**



Note:

To check the IP address of the network interface, use *EpsonNet Config*. See "About EpsonNet Config" for details.

6. Follow the on-screen instructions to set up the device. See "Installing a printer driver" if necessary.

Microsoft Network Shared printing

1. Click Start, and then select Printers and Faxes.
2. Double-click the Add Printer icon to start the Add Printer wizard, and then click Next.
3. Click A network printer, or a printer attached to another computer, and then click Next.
4. Select the Browse for a printer radio button, and then click Next.

5. Enter the following in the Printer box or select the device you want to use from the Shared printers list box. Click Next.

\\NetBIOS name of network interface\Device name of network interface

6. Follow the on-screen instructions to set up the device. See "Installing a printer driver" if necessary.

Installing a printer driver

1. Insert the Software CD-ROM shipped with the device.
2. Close the EPSON Software Installation screen if it appears.
3. Click the Have Disk button. The Install From Disk dialog box appears.
4. Click Browse.
5. Select the CD-ROM drive for Drives, and then double-click the WinXP_2K or WIN2000 folder. Click Open.
6. Click OK in the Install From Disk dialog box.
7. Select the model name of the device, and then click Next.

Note:

If the Add Printer wizard prompts you to select either Keep existing driver or Replace existing driver, be sure to select the Replace existing driver radio button.

8. Click Finish and then follow the on-screen instructions to complete the setup.

When you print using Microsoft Network Shared printing in the Windows XP/Server 2003/2000/NT environment, see "Using the NET USE command" for more details.

Using the NET USE command

If you are running Windows XP/Server 2003/2000/NT and using NetBIOS to connect to the device, we recommend that you use the NET USE command, as follows:

1. Click Start, point to Control Panel, and then select Network Connections. Click Local Area Connections.
2. Click the Properties button.
3. Check that Client for Microsoft Networks is installed. If necessary, click Install to install it.
4. Run the command prompt and then enter the following command.

NET USE *printer port: \\NetBIOS name of network interface\Device name of network interface*

Selecting the port

1. Click Start, and then select Printers and Faxes.
2. Right-click the printer icon and then select Properties.
3. Click the Ports tab and then select the port you have set using the NET USE command.

Windows 2000

For Windows 2000, the printer driver installation procedure differs depending on the printing method you prefer. Epson recommends printing with EpsonNet Print. See “For Windows XP/Server 2003/2000/NT 4.0 Users”.

LPR printing

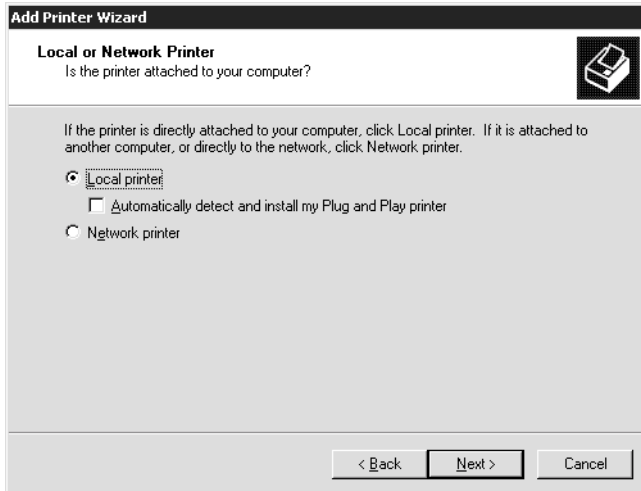
Note:

If you are using EpsonNet Print, the setup procedure is different. See "About EpsonNet Print" for details.

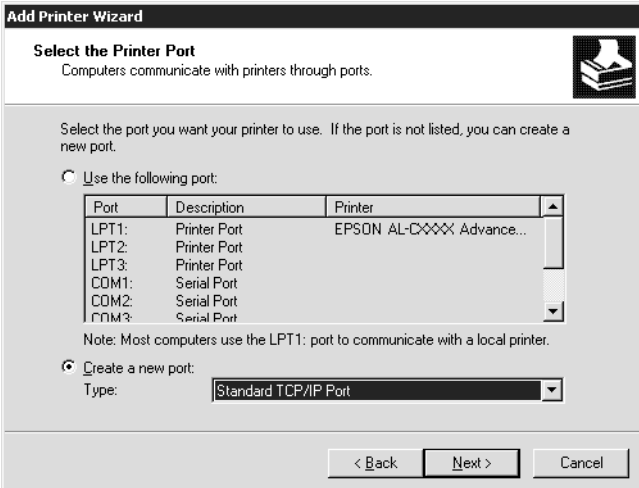
1. Click Start, point to Settings, and then select Printers.
2. Double-click Add Printer to start the Add Printer wizard, and then click Next.
3. Click Local printer, clear the Automatically detect and install my Plug and Play printer check box, and then click Next.

Note:

You must clear the Automatically detect and install my Plug and Play printer check box because the device is attached directly to the network, not to a Windows 2000 computer.



4. Select the Create a new port radio button, and then select Standard TCP/IP Port from the list. Then click Next.



Add Printer Wizard

Select the Printer Port
Computers communicate with printers through ports.

Select the port you want your printer to use. If the port is not listed, you can create a new port.

☐ Use the following port:

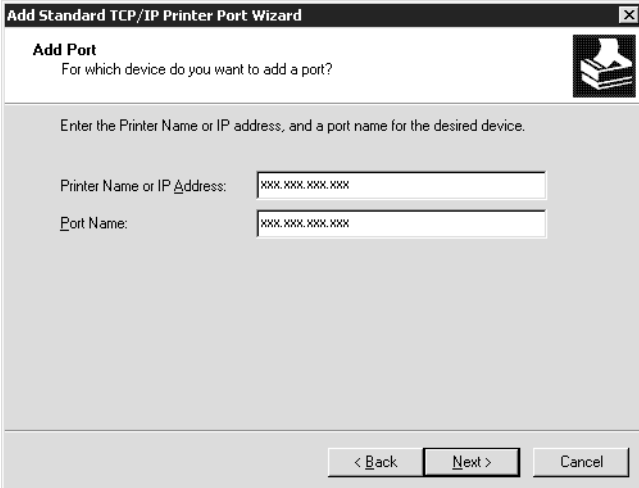
| Port | Description | Printer |
|-------|--------------|---------------------------|
| LPT1: | Printer Port | EPSON AL-CXXXX Advance... |
| LPT2: | Printer Port | |
| LPT3: | Printer Port | |
| COM1: | Serial Port | |
| COM2: | Serial Port | |
| COM3: | Serial Port | |

Note: Most computers use the LPT1: port to communicate with a local printer.

☒ Create a new port:
Type: Standard TCP/IP Port

< Back Next > Cancel

5. Enter the IP address of the network interface and then click Next.



Add Standard TCP/IP Printer Port Wizard

Add Port
For which device do you want to add a port?

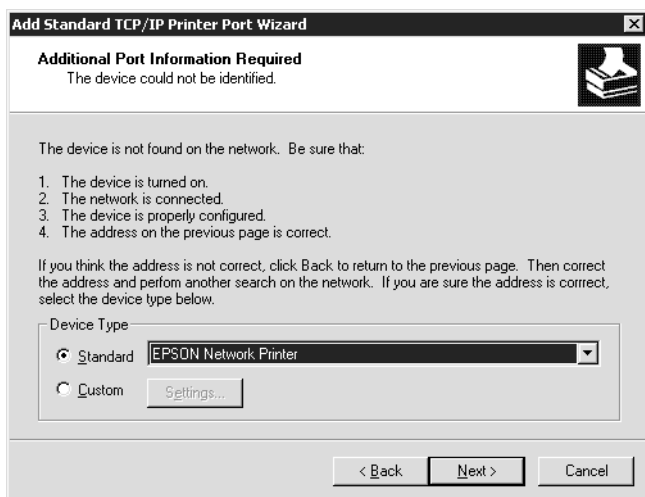
Enter the Printer Name or IP address, and a port name for the desired device.

Printer Name or IP Address: xxx.xxx.xxx.xxx

Port Name: xxx.xxx.xxx.xxx

< Back Next > Cancel

6. If an error occurs, the following dialog box appears. Select the Standard radio button and then select EPSON Network Printer. Click Next.



7. Click Finish.
8. See “Installing a printer driver” to install the printer driver.

Internet printing

1. Click Start, point to Settings, and then select Printers.
2. Double-click Add Printer to start the Add Printer wizard, and then click Next.
3. Select the Network printer radio button and then click Next.
4. Select the Connect to a printer on the Internet or on your intranet radio button.

5. Enter the URL of the target device using the format below. The URL should be same as the URL you set on EpsonNet Config's IPP configuration page.

http://IP address of network interface:631/Printer name

Example: **http://192.168.100.201:631/EPSON_IPP_Printer**

Note:

To check the IP address of the network interface, use EpsonNet Config. See "About EpsonNet Config" for details.

6. Follow the on-screen instructions to set up the device. See "Installing a printer driver" if necessary.

Microsoft Network Shared printing

1. Click Start, point to Settings, and then select Printers.
2. Double-click Add Printer to start the Add Printer wizard, and then click Next.
3. Select the Network printer radio button and then click Next.
4. Select the Type the printer name, or click Next to browse for a printer radio button.
5. Enter the following in the Name box or click Next to browse for a device.

\\NetBIOS name of network interface\Device name of network interface

6. Follow the on-screen instructions to set up the device. See "Installing a printer driver" if necessary.

Installing a printer driver

1. Insert the Software CD-ROM shipped with the device.
2. Close the EPSON Software Installation screen if it appears.
3. Click the Have Disk button. The Install From Disk dialog box appears.
4. Click Browse.
5. Select the CD-ROM drive for Drives, and double-click the WINXP_2K or WIN2000 folder. Click Open.
6. Click OK in the Install From Disk dialog box.
7. Select the model name of the device, and then click Next.

Note:

If the Add Printer wizard prompts you to select either Keep existing driver or Replace existing driver, be sure to select the Replace existing driver radio button.

8. Click Finish and follow the on-screen instructions to complete the setup.

When you print using Microsoft Network Shared printing in the Windows XP/Server 2003/2000/NT environment, see "Using the NET USE command" for more details.

Note for Windows users

Follow the steps below after installing the printer driver. You can use EPSON Status Monitor 3 via the wireless network.

1. Insert the Software CD-ROM in the CD-ROM drive.

If the Installer dialog box appears automatically, click the Exit button.

2. Double-click the CD-ROM drive.
3. In the ENGLISH folder, open the APPS folder, and then open the AddNet folder.
4. Double-click SETUP.EXE. Follow the on-screen instructions.

Note for EPSON STYLUS PHOTO RX500/600 and EPSON STYLUS CX4600/6400/6600 users

5. In the ENGLISH folder, open the APPS folder, open the UPDATER folder, and then open the WINXP_2K folder.
6. Double-click UPDATE.EXE. Follow the on-screen instructions.

Using the NET USE command

If you are running Windows XP/Server 2003/2000/NT and using NetBIOS to connect to the device, we recommend that you use the NET USE command, as follows:

1. Right-click the My Network Places icon and then select Properties.
2. Right-click the Local Area Connections icon and then select Properties.
3. Check that Client for Microsoft Networks is in the Components list. If it is not installed, click Install to install it.
4. Run the command prompt and enter the following command.

NET USE *printer port: \\NetBIOS name of network interface\Device name of network interface*

Selecting the port

1. Click Start, point to Settings, and then select Printers.

2. Right-click the printer icon and then select Properties.
3. Click the Ports tab and then select the port you have set with the NET USE command.

Macintosh

Follow the steps below to set a device.

Note:

Make sure that the printer driver is installed on your Macintosh before following the steps below. See the manual shipped with your device for instructions on how to install the printer driver.

Mac OS X

Rendezvous printing

1. Open the Applications folder.
2. Open the Utilities folder.
3. Open Print Center (for Mac OS X 10.2 or below) or Printer Setup Utility (for Mac OS X 10.3), and then click Add.
4. Select Rendezvous from the drop-down list.
5. Select the device model from the list.
6. Click Add.

TCP/IP printing

1. Open the Applications folder.

2. Open the Utilities folder.
3. Open Print Center (for Mac OS X 10.2 or below) or Printer Setup Utility (for Mac OS X 10.3), and then click Add.
4. Select EPSON TCP/IP from the drop down list.
5. Select the printer model from the list.
6. Click Add.

AppleTalk printing

1. Open the Applications folder.
2. Open the Utilities folder.
3. Open Print Center (for Mac OS X 10.2 or below) or Printer Setup Utility (for Mac OS X 10.3), and then click Add.
4. Select EPSON AppleTalk from the drop down list.
5. Select the zone from the drop down list.
6. Select the printer name from the list.
7. Click Add.

Mac OS 9

AppleTalk printing

1. Open Chooser from the Apple menu.
2. Click the printer icon.
3. Select the zone containing the printer.

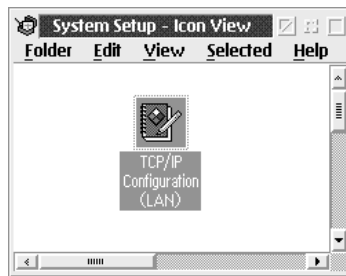
4. Select the printer name from the list.
5. Make sure AppleTalk is active.
6. Close Chooser.

OS/2

This section explains how to configure and use the network interface with an IBM OS/2 System, which includes OS/2 Warp 3 and 4 (OS/2 Warp Connect and OS/2 Warp Server).

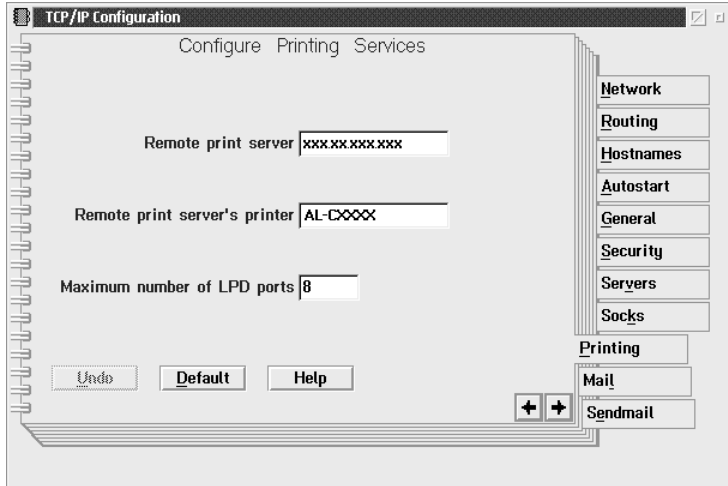
LPR printing

1. Double-click the OS/2 system folder, then the System Setup folder, and then double-click the TCP/IP Configuration icon.



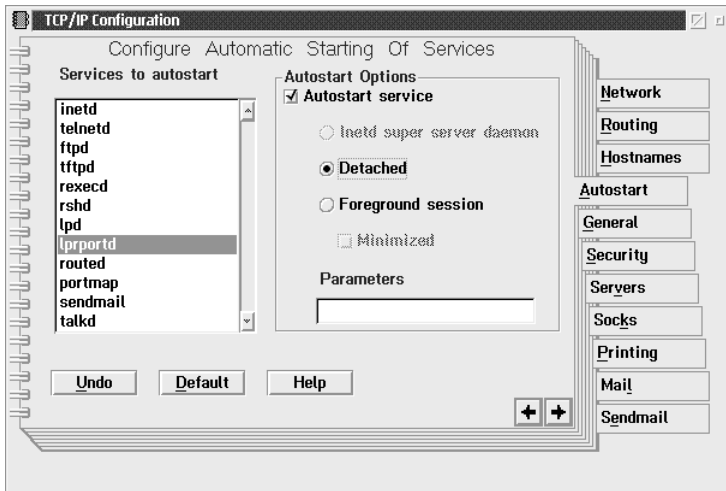
2. Click the Printing tab.

3. Enter the IP address of the network interface in the Remote print server box and the name of the remote print server's printer in the second text box. Enter a value of 1 or greater in the Maximum number of LPD ports box.



4. Click the Autostart tab.

5. Select `lprportd` from the Services to autostart list. Check the Autostart service check box, and select the Detached radio button.

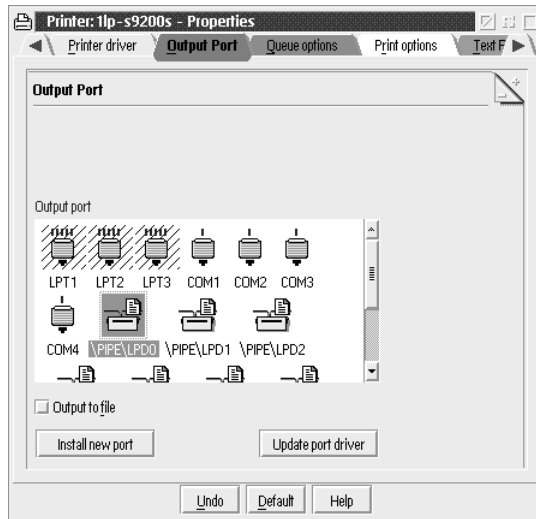


6. Save the settings you made in the TCP/IP Configuration dialog box, and restart your computer.

Setting up your device

1. Double-click Template from the OS/2 System folder.
2. Drag Printer to your desktop to create a printer.
3. Double-click the Printer icon.

4. Select Properties from the control menu, then click the Output Port tab.



5. From the Output Port list box, select one from \PIPE\LPD0 to \PIPE\LPDn (where n is the maximum number of LPD ports). The \PIPE\LPD -Settings dialog box will appear.

6. Enter the IP address of the network interface in the LPD server box. Enter the printer name set in step 2 in the LPD printer box.

\PIPE\LPD - Settings

Print Destination

LPD server: xxx.xx.xxx.xxx

LPD printer: AL-CXXX

Print Source

Host name:

User:

Send to Server

Prefix: --S

☐ Spooler parameters

☐ Queue parameters

☐ Network parameters

☐ Display port settings on print

☐ Enable data filter

Filter:

☐ Send mail on receipt

User:

☐ Print banner page

Class:

Additional Control Cards

OK Cancel Help

7. Close the Printer icon to exit printer configuration.

NetBEUI printing

1. Be sure that IBM OS/2 NetBIOS is installed on your computer.
2. To create a printer, double-click the target printer icon to open the Properties dialog box. Then click the Output Port tab.
3. Select the port.
4. Connect to the printer from the command line.

Example: Connect the printer to LPT1.

net use LPT1: \\NetBIOS name of network interface\ Device name of network interface

Note:

To change the NetBIOS name and device name, use EpsonNet Config running on Windows.

Network Software

EpsonNet Config for Windows

About EpsonNet Config

EpsonNet Config is a Windows-based configuration software for administrators to configure the network interface for TCP/IP, NetWare, MS Network, AppleTalk, IPP, and SNMP.

Note:

- ❑ *Be sure to use EpsonNet Config included on the Software CD-ROM shipped with this product.*
- ❑ *EpsonNet Config installed on Windows XP/Server 2003 does not support NetBEUI as a search protocol because officially the NetBEUI protocol is not supported on Windows XP/Server 2003.*
- ❑ *If you are using the device in a dial-up environment not running NetWare, clear the Use NetWare check box on the NetWare screen. If this check box is selected, the extra account may be charged when you use the dial-up router.*
- ❑ *When configuring the network interface for NetWare, use the IPX protocol and log in to the NetWare server or the NDS context with supervisor privileges.*
- ❑ *When you configure the network interface for NetWare 5.x, you must log in to the NetWare server using an IPX connection. If you log in to the NetWare server using an IP connection, the NetWare screen and the IPX trap setting of SNMP are not available.*

System Requirements

The following table lists the system requirements of EpsonNet Config.

| | |
|-----------------------|---|
| Operating systems | Windows XP Home Edition/Professional Windows Me Windows 98/98 Second Edition Windows 95 OSR2 or higher Windows Server 2003 Windows 2000 Server/Professional Windows NT 4.0 Server/Workstation with Service Pack 5.0 or higher |
| Hard disk drive space | 10 MB |

Installing EpsonNet Config

Follow the steps below to install EpsonNet Config on your computer to configure the network interface.

Note:

If you add or delete protocols or services from your operating system after installing EpsonNet Config, EpsonNet Config may not work correctly. If this happens, uninstall EpsonNet Config and then install it again.

1. Insert the Software CD-ROM in the CD-ROM drive.

If the Installer dialog box does not appear automatically, double-click EPSETUP.EXE on the CD-ROM.

2. In the Welcome screen, click the Next button.
3. Read the license agreement, and then click the Agree button.

4. Select Install Network Utility.
5. Click the Install button located next to EpsonNet Config.
6. Follow the on-screen instructions to complete the installation.

Note for Windows XP Service Pack 2 users:

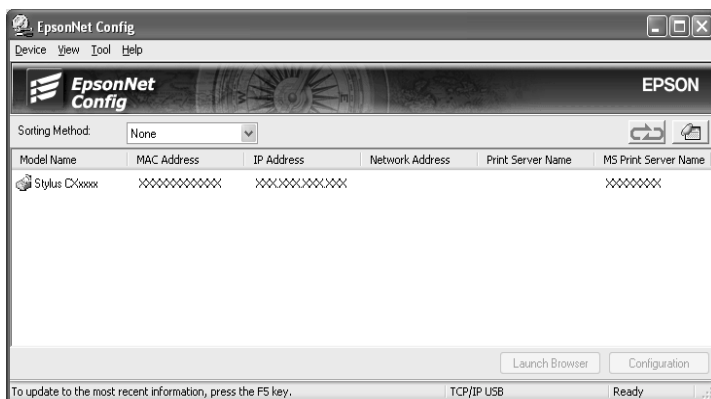
If the following screen appears after you start EpsonNet Config, click the Unblock button; otherwise the devices are not listed on the screen of EpsonNet Config.



Accessing the EpsonNet Config Reference Guide

The *EpsonNet Config Reference Guide* contains detailed information on EpsonNet Config. Follow the steps below to access the *EpsonNet Config Reference Guide*.

1. Click Start, point to All Programs (for Windows XP/Server 2003 users) or Programs (for Windows Me/98/95/2000/NT 4.0 users), and then select EpsonNet. Click EpsonNet Config to start it.



2. From the Help menu, select EpsonNet Config Help.

The *EpsonNet Config Reference Guide* appears. By clicking the links on the left side of the screen, you can get information on using EpsonNet Config.

EpsonNet Config for Macintosh

About EpsonNet Config

EpsonNet Config for Macintosh is a Macintosh-based configuration software for administrators that allows you to configure the network interface for TCP/IP, AppleTalk, and IPP.

Note:

Be sure to use EpsonNet Config included on the Software CD-ROM shipped with this product.

System Requirements

The following table lists the system requirements of EpsonNet Config.

| | |
|-----------------------|---------------------|
| Operating systems | Mac OS 10.x/9.x/8.x |
| Models | PowerPC Macintosh |
| Hard disk drive space | 10 MB |

Installing EpsonNet Config

Follow the steps below to install EpsonNet Config to configure the network interface.

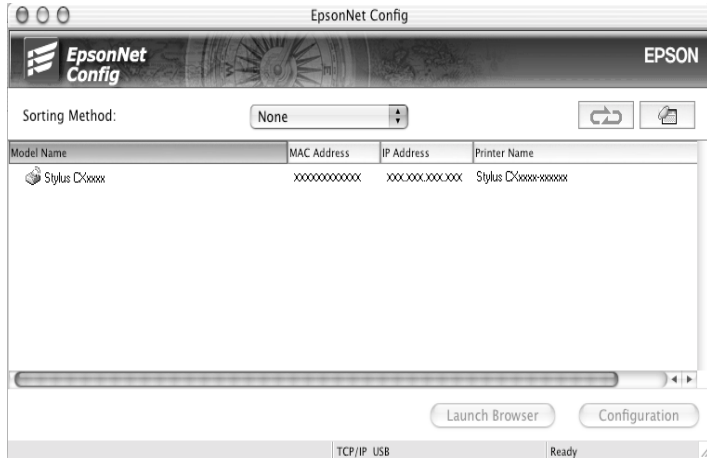
1. Insert the Software CD-ROM in the CD-ROM drive.
2. Double-click the EPSON CD-ROM icon.

3. Double-click the appropriate OS icon in the EPSON folder.
4. In the Welcome screen, click the Next button.
5. Read the license agreement, and then click the Agree button.
6. Select Install Network Utility.
7. Click the Install button located next to EpsonNet Config to install EpsonNet Config. Follow the on-screen instructions to complete the installation.
8. Restart your computer.

Accessing the EpsonNet Config Reference Guide

The *EpsonNet Config Reference Guide* contains detailed information on EpsonNet Config. Follow the steps below to access the *EpsonNet Config Reference Guide*.

1. Double-click the Macintosh HD icon. In the Applications folder, double-click the EpsonNet folder, and then double-click the EpsonNet Config folder. Finally, double-click the EpsonNet Config icon.



2. From the Help menu, select EpsonNet Config Help.

The *EpsonNet Config Reference Guide* appears. By clicking the links on the left side of the screen, you can get information on using EpsonNet Config.

EpsonNet Config with Web Browser

About EpsonNet Config

EpsonNet Config with Web Browser is a Web-based utility designed to configure the network interface for use on a network.

By typing the IP address of the network interface for the URL in your browser, you can start EpsonNet Config to allow you to configure the network interface for TCP/IP, NetWare, MS Network, AppleTalk, IPP, and SNMP.

Supported Web browser

- ☐ Microsoft Internet Explorer version 4.0 or later
- ☐ Netscape Communicator version 4.0 or later
- ☐ Netscape Navigator version 3.02 or later

About Web browser setting

When running EpsonNet Config with Web Browser, be sure not to use a proxy server to access the Internet. If the Access the Internet using a proxy server check box is selected, you cannot use EpsonNet Config with Web Browser. Use the following steps to clear the Access the Internet using a proxy server check box.

1. Right-click the Internet Explorer icon on the desktop, and then select Properties.
2. Click the Connection tab.

3. Clear the Access the Internet using a proxy server check box.

Configuring the Network Interface Using EpsonNet Config

After you have assigned an IP address to the network interface using EpsonNet EasyInstall, EpsonNet Config for Windows or Macintosh, or the arp/ping command, you can configure the network interface using Web-based EpsonNet Config.

Note:

- ☐ *A Web browser must be installed on your computer.*
- ☐ *TCP/IP must be correctly set for the computer and the network interface.*
- ☐ *Do not run both EpsonNet Config for Windows or Macintosh and Web-based EpsonNet Config at the same time.*
- ☐ *Your browser may restrict some characters you can use. For details, see your browser or operating system documentation.*
- ☐ *If you are using the dial-up environment and not using NetWare, select Disable on the NetWare screen. If Enable is selected, the extra account may be charged when you are using the dial-up router.*

Follow the steps below to change the IP address using EpsonNet Config.

1. Turn on the device.
2. Run EpsonNet Config using one of the following ways.
 - ☐ Run EpsonNet Config for Windows or Macintosh. Select the device you want to configure from the list and then click Launch Browser.

- ❑ Open your browser, and then type in the IP address of the network interface directly. Do not run EpsonNet Config for Windows or Macintosh.

http:// / IP address of network interface /

Example: **http://192.168.100.201/**

Note:

To check the IP address of the network interface, use EpsonNet Config. For details, see "About EpsonNet Config" for Windows users, or "About EpsonNet Config" for Macintosh users.

Note on NetWare setting:

- ❑ From any NetWare client, log in to the target NetWare server or NDS context with supervisor privileges.
 - ❑ You cannot create a print server, print queue, or printer with Web-based EpsonNet Config. You must create these objects before using Web-based EpsonNet Config.
3. Click TCP/IP under Network on the Configuration menu to display the TCP/IP setting screen.

Note:

If you want to configure a protocol other than TCP/IP, see "Configuration - Network Screens".

4. Select a method for acquiring the IP address. When you select Auto, DHCP becomes available and assigns an IP address automatically. If you want to set the IP address manually, select Manual.

Note:

- ❑ The network administrator must check any changes made to the IP address settings.

- ❑ *When Auto is selected, DHCP becomes available. To use the DHCP server, make sure it is installed on your computer and correctly configured. See your operating system's online help for detailed instructions.*
 - ❑ *If Set Using Automatic Private IP Addressing (APIPA) is enabled, a private IP address is automatically assigned to the network interface even when there are no DHCP servers on your system or your network.*
 - ❑ *If the Dynamic DNS function is not supported, we recommend that you select Manual and then enter an IP address. This is because if you select Auto, the IP address of the network interface changes every time you turn on the device so that you need to change the printer port setting accordingly.*
5. To assign an IP address manually, enter the IP address, the subnet mask, and the default gateway. Be sure the IP address does not conflict with any other devices on the network.

Note:

If there is a server or a router functioning as a gateway, enter the IP address of the server or the router for the gateway address. If there is no gateway, leave the default values there.

6. If you want to get a private address between 169.254.1.1 and 169.254.254.254 automatically when an IP address cannot be obtained by the DHCP server, leave it at Enable for Set Using Automatic Private IP Addressing (APIPA); otherwise, select Disable.
7. When setting an IP address using the ping command, select Enable for Set Using PING. Select Disable when setting an IP address with EpsonNet Config; this prevents any unexpected change of the IP address.

Note:

Be sure to select Disable when not using ping; this prevents an unexpected change of the IP address by EpsonNet WebManager.

8. Select Enable for Acquire DNS Server Address Automatically if you want to acquire the DNS server address using the DHCP server.

If you want to enter the DNS server address manually, select Disable and then enter the IP address of the DNS server.

9. Select Enable for Acquire Host Name and Domain Name Automatically if you want to acquire the host name and the domain name using the DHCP server.

If you want to specify manually, enter the host name and the domain name in the text boxes.

10. Select Enable for Register Network Interface Address to DNS Server if you want to register the host name and domain name to the DNS server through the DHCP server that supports Dynamic DNS.

If you want to register the host name and the domain name directly to the DNS server, select Enable for Register Network Interface Address Directly to DNS Server.

11. Select Enable or Disable for Use Universal Plug and Play. Select Enable if you want to use the Universal Plug and Play function on Windows Me or future operating systems.
12. Change the default Universal Plug and Play device name, if desired. This device name is used for Windows that supports the Universal Plug and Play function.

13. Mac OS X only:
Select Enable or Disable for Use Rendezvous. If you select Enable, enter the Rendezvous Name and the Rendezvous Printer Name. If your network environment supports DHCP, you can use the printer on the network just by enabling this setting.

14. Click Submit and then enter the password to update the settings. See "Password" for more information on setting the password.

Note:

If you have set the Administrator Name in the Administrator screen, enter the administrator name for the user name.

15. If the message "Configuration change is complete!" appears on your screen, the update is complete. Do not exit the Web browser and do not send a job to the device until this message appears. Follow the on-screen instructions to reset the device.

Note:

- ☐ *Since the new IP address becomes available after the device is reset, you need to restart EpsonNet Config by entering the new IP address.*
- ☐ *Only changes on the page where you press the Submit button take effect.*

Opening Screen

Any user can access the following screen by typing the IP address of the network interface for the URL in your browser.



Index

| | |
|--------------|--|
| Home | Links to the opening screen. |
| Favorite | Links to a Web site previously defined by the administrator. |
| Help | Links to Help. |
| About Config | Links to the copyright and version information for EpsonNet Config. |
| EPSON Logo | Links to the Epson Web site (http://www.epson.com). |

Menu

| Information | |
|--------------------------|---|
| General | Displays the network interface information. |
| Wireless | Displays information about Wireless |
| NetWare | Displays information about NetWare. |
| TCP/IP | Displays information about TCP/IP. |
| AppleTalk | Displays information about AppleTalk. |
| MS Network | Displays information about Microsoft Network. |
| IPP | Displays information about IPP. |
| SNMP | Displays information about SNMP. |
| Time | Displays information about Time. |
| Network Scan | Displays information about Network Scan. |
| Configuration - Network | |
| Wireless | Configure the wireless settings. |
| NetWare | Configure the applicable settings for NetWare. |
| TCP/IP | Configure the desired settings/method for TCP/IP. |
| AppleTalk | Configure the desired settings for AppleTalk. |
| MS Network | Configure the desired settings for Microsoft Network. |
| IPP | Configure the desired settings for IPP. |
| SNMP | Configure the desired settings for SNMP. |
| Time | Configure the desired settings for Time. |
| Network Scan | Configure the desired settings for Network Scan. |
| Configuration - Optional | |

| | |
|---------------|---|
| Administrator | Type the name of the administrator and a link to a favorite Web site. |
| Reset | Resets the device and returns to the default settings. |
| Password | Set the password to protect settings. |

Information

General information

| Items | Explanations |
|---------------------------|---|
| Administrator Name | Administrator name of the device |
| Location | Location of the device |
| Interface Card Model Name | Model of the network interface |
| MAC Address | Unique hardware address of the network interface. You can distinguish the network interface by its MAC address. |
| Hardware Version | Hardware version of the network interface |
| Software Version | Software version of the network interface |
| Model Name | Product name of the device attached to the network interface |
| Communication Mode | A wireless LAN mode; Infrastructure or Ad Hoc |
| SSID | SSID (or ESSID) of the access point or wireless LAN |
| Channel | Channel used on the network interface for the Ad Hoc mode |
| Transmission Rate | Transmission speed |

| | |
|----------------------------|--|
| Access Point (MAC Address) | Access point used for wireless LAN in the Infrastructure mode |
| Signal Condition | Condition of the radio wave, as follows: Three antennas: Excellent Two antennas: Good One antenna: Poor None: No connection |
| Printer Status | The background color of the text box indicates the device's status. Green indicates that the device is idle or printing. Yellow indicates that either the paper or toner is low. Red indicates that either the paper or toner is completely out, the device is offline, there is a paper jam, the cover is open, or an error has occurred. |
| Current Time | Displays the current time. |
| Refresh button | Refreshes the device status. The device status is not updated automatically. Press Refresh to display the latest device information. |

Configuration - Network Screens

Wireless

Wireless Basic Settings

| Items | Explanations |
|--------------------|--|
| Communication Mode | Select a wireless LAN mode: Infrastructure or Ad Hoc. |
| Operation Mode | Select the operation mode from the list. |
| SSID | Enter the SSID (or ESSID) of the access point or wireless LAN (up to 32 characters). |
| Channel | When the mode is Ad Hoc, select the channel used on the network interface. |

| | |
|-------------------|--|
| Transmission Rate | Select the transmission speed from the list. |
|-------------------|--|

Security Settings

| Items | Explanations |
|---------------------------|---|
| Security Level | Select the security level from the list. Note: If you are using EpsonNet 802.11g Wireless Ext. Print Server in the Ad Hoc mode, you cannot use WPA-Personal (TKIP) for the security level. |
| WEP Authentication Method | Select an authentication algorithm: Open System, Shared Key, or Auto. (This item is not available when WPA-Personal (TKIP) is selected for the security level.) |

WEP Settings

| Items | Explanations |
|-----------------|--|
| Input using hex | Enables or disables the function to set the WEP Key in hexadecimal. |
| WEP Key 1 to 4 | When you select 64 bit(40 bit) for the length, you can set up to 4 WEP Keys. When you select 128 bit(104bit), you can set only one WEP Key. For 64bit and ASCII, enter 5 characters. For 64bit and Hex, enter 10 digit values. For 128bit and ASCII, enter 13 characters. For 128bit and Hex, enter 26 digit values. Note: The WEP Key disappears after the network interface is configured. Therefore, do not forget the WEP Key you have set. |
| Active WEP Key | Select one WEP Key as an active key before enabling use of encryption. |

WPA Settings

| Items | Explanations |
|------------------|--|
| Password | Enter the password for WPA-Personal authentication (8 to 63 characters). |
| Password (again) | Enter the password again. |

Detailed Settings

| Items | Explanations |
|---------------------------|--|
| RTS/CTS Handshake Control | Select either Enable or Disable. Select Enable to avoid data collisions, known as "Hidden Station" problem. When this is enabled, the station and its access point use the RTS/CTS protocol. The station sends an RTS signal to the access point, notifying that it is going to send the data. When the access point receives the RTS signal, it responds with a CTS signal to all stations within its range to require them to delay data transmission. |
| RTS/CTS Threshold Value | Specify the threshold (number of bytes) between 0 and 2347. Data with its frame size larger than this value performs the RTS/CTS handshake. |
| Roaming Function | Enables or disables the roaming function. |
| AP Density | To get the continuous connection of the same access point, select Low. When you select High, roaming around access points is made easy. The network interface switches to the other access point if it has a better radio wave condition. |

| | |
|--------------------------|---|
| Fragment Threshold | <p>Select Enable and specify the packet size to use when you send large files. This improves the efficiency when there is high volume of traffic within the wireless network. Data is divided into packets of size you have set in the Fragment Threshold.</p> <p>If you select Disable, data is sent as a whole.</p> |
| Fragment Threshold Value | Specify a threshold for the fragmentation boundary: between 256 and 2346. Data is sent in pieces so that its size does not exceed this value. |

NetWare

NetWare Basic Configuration

| Items | Explanations |
|-------------|---|
| Use NetWare | Enable or Disable NetWare. |
| Frame Type | Leave the default frame type (Auto) as it is. |
| Mode | Select the appropriate NetWare mode. |

Print Server Mode/NDS/Bindery

| Items | Explanations |
|-------------------|---|
| Print Server Name | Enter the print server name (up to 47 characters). |
| Polling Interval | Enter the polling interval in seconds. |
| NetWare Password | Enter the password (up to 20 characters) you use when you log in to the print server. |
| NDS Tree Name | Enter the NDS tree name (up to 31 characters) if the mode is NDS Print Server. |

| | |
|--------------------------|---|
| NDS Context | Enter the NDS context (up to 255 characters) if the mode is NDS Print Server. |
| Primary File Server Name | If the mode is Bindery Print Server, enter the file server name (up to 47 characters) where you log in to the print server. |

Remote Printer Mode

| Items | Explanations |
|---------------------------|--|
| Primary Print Server Name | Enter the primary print server name (up to 47 characters). |
| Printer Port Number | Enter the printer port number (0 to 254). |

TCP/IP

IP Address Settings

| Items | Explanations |
|-------------------------------------|---|
| Method for Acquiring the IP Address | <p>Select a method for acquiring IP addresses. If Auto is selected, DHCP becomes available. To use the DHCP server, make sure it is installed on your computer and correctly configured. See your operating system's online help for detailed instructions.</p> <p>To set the IP address manually, select Manual.</p> |
| IP Address | Enter an IP address for the network interface. Be sure the IP address does not conflict with any other devices on the network. |
| Subnet Mask | Set the subnet mask. |
| Default Gateway | Set the gateway address if needed. |

| | |
|---|---|
| Set Using Automatic Private IP Addressing (APIPA) | Select Enable to get a private address between 169.254.1.1 and 169.254.254.254 automatically when an IP address cannot be obtained by the DHCP server; otherwise, select Disable. |
| Set Using PING | Enables or disables IP address setting using the ping command. |

DNS Server Address Settings

| Items | Explanations |
|--|--|
| Acquire DNS Server Address Automatically | Select either Enable or Disable to acquire the DNS server address from the DHCP server. |
| DNS Server Address | Enter the DNS server address. When the DHCP server does not respond even Enable is selected for Acquire DNS server address automatically, the DNS server address set here is used. |

Host Name and Domain Name Settings

| Items | Explanations |
|---|--|
| Acquire Host Name and Domain Name Automatically | Select either Enable or Disable to acquire the host name and domain name from the DHCP server. |
| Host Name | Enter the host name supported by Dynamic DNS (between 2 and 63 characters). The total number of characters of the host name and the domain name must not exceed 251. |
| Domain Name | Leave it blank or enter two or more characters of the domain name. The total number of characters of the host name and the domain name must not exceed 251. |

| | |
|---|---|
| Register Network Interface Address to DNS Server | Select Enable if you want to send the host name and the domain name to the DHCP server that supports Dynamic DNS update to request for DNS dynamic updates. |
| Register Network Interface Address Directly to DNS Server | Select Enable if you want to directly send the host name and the domain name to the DNS server that supports Dynamic DNS update to request for DNS dynamic updates. When Register the network interface's address to DNS server is Disable, then this setting is the same as Disable. |

Universal Plug and Play Settings

| Items | Explanations |
|-----------------------------|--|
| Use Universal Plug and Play | Enables or disables Universal Plug and Play. |
| Device Name | Enter the device name (between 2 and 63 characters). |

Rendezvous Settings

| Items | Explanations |
|-------------------------|--|
| Use Rendezvous | Select either Enable or Disable to use Rendezvous. |
| Rendezvous Name | Enter the Rendezvous name. |
| Rendezvous Printer Name | Enter the printer name for Rendezvous. |

AppleTalk

| Items | Explanations |
|-------|--------------|
|-------|--------------|

| | |
|--------------------------------|--|
| Use AppleTalk | Enable or Disable AppleTalk. |
| Printer Name | Enter the name of the device attached to the network interface (up to 32 characters). |
| Zone Name | Enter the network zone name (up to 32 characters). To have the zone selected automatically, select Auto for the Network Number Set and enter an asterisk (*) in this text box. |
| Entity Type | Displays the entity type of the device. Do not change the entity type unless "epson" appears. If "epson" appears, enter an entity type to match your device. |
| Network Number Set | Select Auto or Manual. Usually Auto is recommended. |
| Network Number for Manual Mode | Enter the network number when you select to set the Network Number manually. |

MS Network

| Items | Explanations |
|---------------------------------------|--|
| Use Microsoft Network Shared Printing | Enable or Disable Microsoft network. |
| Print Server Name | Enter the print server name, which is the name of a computer on the network (up to 15 characters). Be sure to give a name that is unique on the network. |
| Workgroup Name | Enter the workgroup name or domain name (up to 15 characters). |
| Printer Share Name | Enter the device's share name (up to 12 characters). LPT1, LPT2, or LPT3, or COM cannot be used. |
| File Share Name | Enter the file share name (up to 12 characters). LPT1, LPT2, or LPT3, or COM cannot be used. |

IPP

You must make the following settings before setting up the device for Internet Printing on Windows XP/Me/Server 2003/2000 or using EpsonNet Internet Print on Windows 98/95/NT 4.0. See “About EpsonNet Internet Print” for more information.

| Items | Explanations |
|--------------|--|
| IPP URL | Displays the device's URL for Internet Printing. Format: http://IP address of network interface:631/printer name set below Example: http://192.168.100.201:631/EPSON_IPP_Printer |
| Printer Name | Enter the name of a device to use for Internet Printing (up to 127 characters). Example: EPSON_IPP_Printer |
| Location | Enter the name of the device's physical location (up to 64 characters). |

SNMP

Community

| Items | Explanations |
|------------|--|
| Community | Displays the community name. |
| Read Only | The word “public” always appears. |
| Read/Write | Enter the Read/Write community name (up to 32 characters). |

IP Trap

| Items | Explanations |
|-------------|---|
| Trap | Enable or Disable the trap. |
| Address | Enter the IP address of the server to which the trap is sent. |
| Community | Enter the community name (up to 32 characters). |
| Port Number | Enter the Port Number of the receive host, in decimal(0-65535). |

IPX Trap

| Items | Explanations |
|---------------|--|
| Trap | Enable or Disable the trap. |
| Address | <p>Enter Network Address and Node Number (MAC Address) of the server to which the trap is sent.</p> <p>Format: Network Address: Node Number</p> <p>Suppose Network Address is A7E00BB0 (hexadecimal) and Node Number is 000048930000 (hexadecimal). In this case, the address is A7E00BB0:000048930000.</p> |
| Community | Enter the community name (up to 32 characters). |
| Socket Number | Enter the Socket Number of the receive host, in hexadecimal(0-FFFF). |

Time

| Items | Explanations |
|-------|--------------|
|-------|--------------|

| | |
|------|--|
| Time | Displays the current time. Click the Get Time button to reload the display. When Time Server is Enable, time is acquired from the time server. |
|------|--|

Manual Settings

If the network interface has RTC (Real Time Clock), you can set the time manually.

| Items | Explanations |
|-----------------|--|
| Date | Enter the year, month, and day. |
| Time | Enter the hour, minutes, and seconds. |
| Time Difference | Enter the difference between time at the present location and Greenwich Mean Time (GMT). |
| Apply button | Applies the settings. |

Time Server Settings

| Items | Explanations |
|------------------------|--|
| Time Server | Select either Enable or Disable to time synchronize from the time server. |
| Time Server IP Address | Enter the IP address of the time server. |
| Synchronize Interval | Enter the time interval in minutes for automatic time synchronization. |
| Time Difference | Enter the difference between time at the present location and Greenwich Mean Time (GMT). |
| Time Server Status | Displays a connection status with the time server. |
| Apply button | Applies the settings. |

Network Scan

| Items | Explanations |
|------------------|-------------------------------------|
| Use Network Scan | Enable or Disable the network scan. |

Optional Screens

Administrator

You can link to the Web site specified on this screen when you click Favorite (the name is changeable) in Index.

| Items | Explanations |
|--------------------|--|
| Administrator Name | Enter the name of the administrator (up to 255 characters). |
| Location | Enter the location of the network interface (up to 255 characters). |
| Favorite Name | Enter the link item name (up to 20 characters) that will be displayed in the Index menu. |
| Favorite URL | Enter a URL (up to 64 characters). |
| Description | Enter any comments for the URL above (up to 64 characters). |

Note:
Links to ftp are not supported.

Reset

You can reset the network interface or return the settings to the default values.

| Items | Explanations |
|--------------------------|---|
| Reset button | Functions like turning the power off and on again. Click this button to make the changes take effect. |
| Return to Default button | Returns the network interface to the default settings. |

Password

The password set here protects the settings. You will be asked for the password when you update or change the settings on each setting screen. Passwords are case sensitive. No password is set by default.

| Items | Explanations |
|-------------------|---|
| Old Password | Input the old password. |
| New Password | Input the new password (up to 20 characters). |
| Re-input Password | Re-input the new password. |

Note:

- ☐ *The same password is used for EpsonNet Config for Windows and Macintosh, and EpsonNet Config with Web Browser.*
- ☐ *If you forget your password, you need to initialize the network interface. See "Initializing the Network Interface" for instructions.*

EpsonNet Print

About EpsonNet Print

EpsonNet Print is a utility program that provides peer to peer printing to Epson printers on the TCP/IP network.

By using EpsonNet Print, you can find a printer located in the same segment or beyond a router. You can select LPR standard printing, LPR enhanced printing, or High-speed printing.

System Requirements

The following table lists the system requirements of EpsonNet Print. EpsonNet Print supports the following environments.

| | |
|-------------------|--|
| Operating systems | Windows Me, 98, 98 Second Edition Windows 95 OSR2 (with Internet Explorer version 5.0 or higher) Windows XP (with Service Pack 1 or higher) Windows Server 2003 Windows 2000 (with Service Pack 4 or higher) Windows NT 4.0 (with Service Pack 6 or higher) |
| CPU | Pentium II 400 MHz or better recommended |
| Memory | 64 MB or more |
| Hard disk space | 20 MB or more |
| Display | 800 × 600 screen resolution, 256 color or more |

Installing EpsonNet Print

Follow the steps below to install EpsonNet Print. Be sure to install it on a computer connected to the network.

Note:

If EpsonNet Direct Print (the older version of EpsonNet Print) is already installed on your computer, you need to uninstall it before installing EpsonNet Print (the installation program will lead you through uninstalling EpsonNet Direct Print).

1. Insert the Software CD-ROM in the CD-ROM drive.

If the Installer dialog box does not appear automatically, double-click EPSETUP.EXE on the CD-ROM.

2. In the Welcome screen, click the Next button.
3. Read the license agreement, and then click the Agree button.
4. Select Install Network Utility.
5. Click the Install button located next to EpsonNet Print.
6. Follow the on-screen instructions to complete the installation.

Your computer is now set up to print using LPR via EpsonNet Print. See the next section to set up your device.

For Windows XP/Server 2003/2000/NT 4.0 Users

Follow the steps below to add a port using the Add Printer Wizard.

- ❑ If you want to add a port for a printer with its IP address assigned automatically by the DHCP server or router, see “Adding a port for a printer assigned with a dynamic IP address”.
- ❑ If you want to add a port for a printer with its IP address assigned manually, see “Adding a port for a printer assigned with a static IP address”.

Note:

- ❑ *Be sure that the computer is connected to the network and TCP/IP is correctly set.*
- ❑ *A valid IP address must be assigned to the printer.*

Adding a port for a printer assigned with a dynamic IP address

1. **For Windows XP:** Click Start and then Printers and Faxes. Under Printer Tasks, click Add a printer to start the Add Printer Wizard.

For Windows Server 2003: Click Start and then Printers and Faxes. Double-click Add Printer in the Printers folder to start the Add Printer Wizard.

For Windows 2000: Click Start, point to Settings, and then select Printers. Double-click Add Printer in the Printers folder to start the Add Printer Wizard.

For Windows NT 4.0: Click Start, point to Settings, and then select Printers. Double-click the Add Printers icon.

2. Click Next.

3. **For Windows XP/Server 2003:** Click Local printer attached to this computer, clear the Automatically detect and install my Plug and Play printer check box, and then click Next. Select the Create a new port radio button, and then select EpsonNet Print Port from the list. Click Next.

Note for Windows XP Service Pack 2 users:

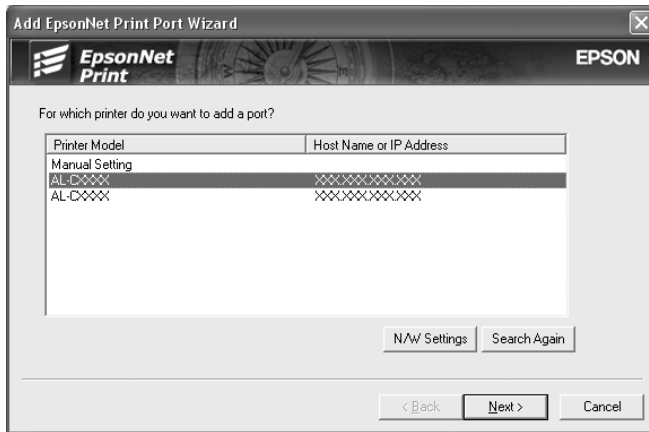
If the following screen appears, click the Unblock button, and then click the Search Again button to search the printers.



For Windows 2000: Click Local printer, clear the Automatically detect and install my Plug and Play printer check box, and then click Next. Select the Create a new port radio button, and then select EpsonNet Print Port from the list. Click Next.

For Windows NT 4.0: Select the My Computer radio button, and then click Next. Click the Add Port button in the Add Printer wizard dialog box. Select EpsonNet Print Port from the Available Printer Port list, and then click the New Port button.

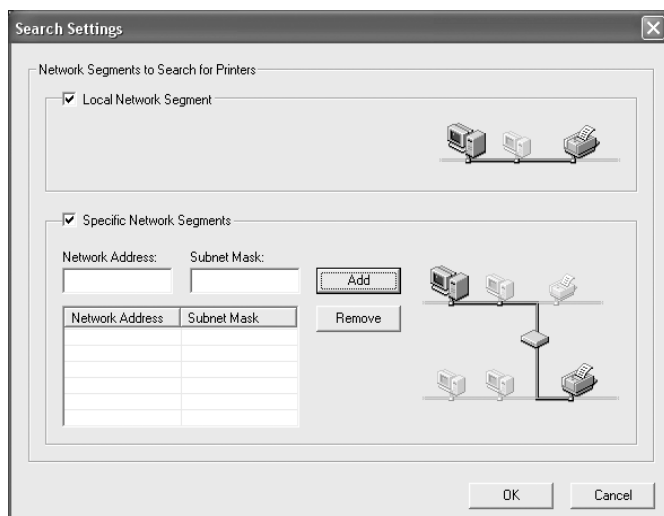
4. Select the target printer, and then click Next.



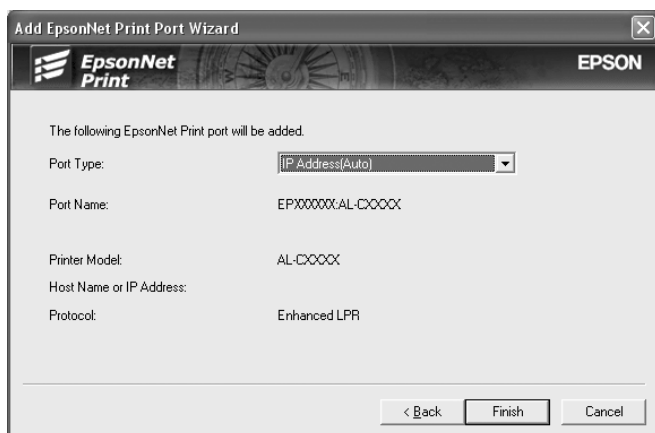
Note:

- ❑ *If the target printer is not in the list, click the Search Again button to search the printers using new parameters.*

- ❑ *If you want to search printers in other segments, click the N/W Settings button. Select the Specific Network Segments check box, and then enter the network address and subnet mask of the network segment for the search. Then click the Add button.*



5. Confirm the information about the printer's port you want to configure, and then click Finish.



| Items | Explanations |
|----------------------|---|
| Port Type | <p>The following items are listed in the pull-down menu, and you can select the port type you need.</p> <p>IP Address(Auto): Configure the port automatically. If the IP address of the printer is acquired automatically and the computer and the printer are in the same segment, you can select this port type.</p> <p>IP Address(Manual): Use the printer's IP Address for the port name.</p> <p>HostName (DNS): Use the printer's host name registered in the DNS server for the port name.</p> <p>MS Network: Use the NetBIOS name registered in the printer for the port name.</p> |
| The port Information | <p>The following items are displayed:</p> <ul style="list-style-type: none"> - Port Name (If the port type is changed, the port name and the host name or IP address are also changed.) - Printer Model - Host Name or IP Address - Protocol |
| Finish button | Register the port information to the system and close the Add EpsonNet Print Port Wizard. |
| Back button | Go back to the printer list window. |
| Cancel button | Close the Add EpsonNet Print Port Wizard. |

You need to install the printer driver. See “Installing the Printer Driver”.

Adding a port for a printer assigned with a static IP address

1. **For Windows XP:** Click Start and then Printers and Faxes. Under Printer Tasks, click Add a printer to start the Add Printer Wizard.

For Windows Server 2003: Click Start and then Printers and Faxes. Double-click Add Printer in the Printers folder to start the Add Printer Wizard.

For Windows 2000: Click Start, point to Settings, and then select Printers. Double-click Add Printer in the Printers folder to start the Add Printer Wizard.

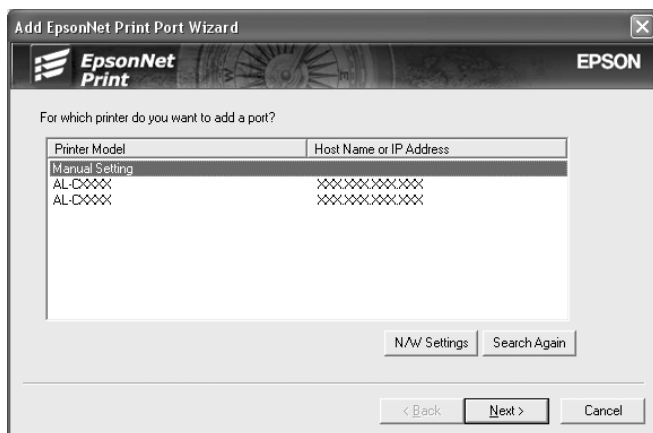
For Windows NT 4.0: Click Start, point to Settings, and then select Printers. Double-click the Add Printers icon.

2. Click Next.
3. **For Windows XP/Server 2003:** Click Local printer attached to this computer, clear the Automatically detect and install my Plug and Play printer check box, and then click Next. Select the Create a new port radio button, and then select EpsonNet Print Port from the list. Click Next.

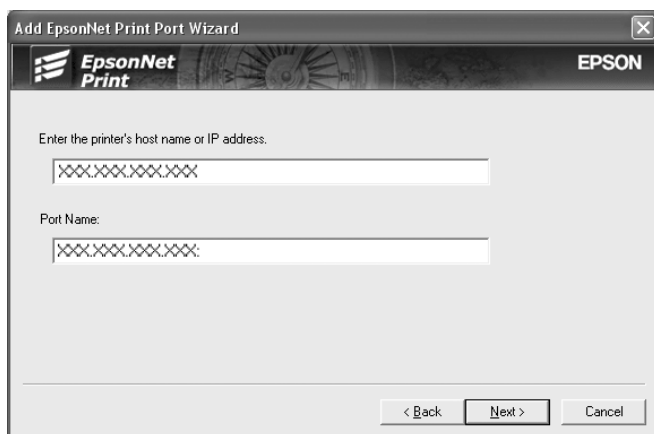
For Windows 2000: Click Local printer, clear the Automatically detect and install my Plug and Play printer check box, and then click Next. Select the Create a new port radio button, and then select EpsonNet Print Port from the list. Click Next.

For Windows NT 4.0: Select the My Computer radio button, and then click Next. Click the Add Port button in the Add Printer wizard dialog box. Select EpsonNet Print Port from the Available Printer Port list, and then click the New Port button.

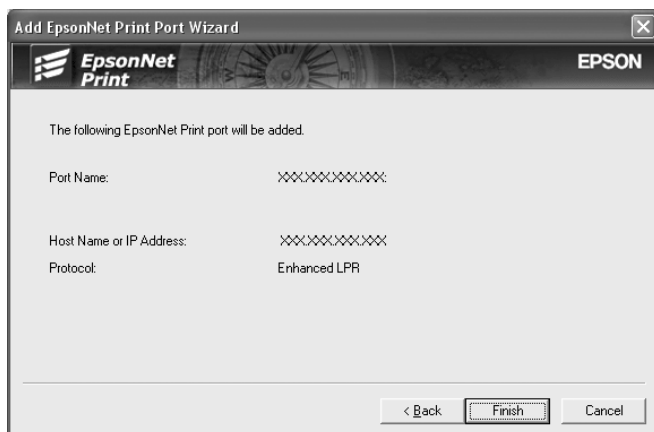
4. Select Manual Setting from the list, and then click Next.



5. Enter the printer's name and the port name is automatically entered to the Port Name edit box. Then click Next.



6. Confirm the information about the printer's port you want to configure, and then click Finish.



| Items | Explanations |
|----------------------|---|
| The port Information | The following items are displayed. <ul style="list-style-type: none">- Port Name- Host Name or IP Address- Protocol |
| Finish button | Register the port information to the system and close the Add EpsonNet Print Port Wizard. |
| Back button | Go back to the printer list window. |
| Cancel button | Close the Add EpsonNet Print Port Wizard. |

You need to install the printer driver. See "Installing the Printer Driver".

Installing the Printer Driver

Install the printer driver that comes with your printer.

1. Insert the Software CD-ROM shipped with the printer.
2. Close the EPSON Installation Program screen if it appears.
3. Click the Have Disk button. The Install From Disk dialog box appears.
4. Click Browse.
5. Select the CD-ROM drive for Drives, and double-click the appropriate folder for your operating system. Click OK.
6. Click OK in the Install From Disk dialog box.
7. Select the model name of the printer, and then click Next.

Note:

If the Add Printer wizard asks you to select either Keep existing driver or Replace existing driver, be sure to select the Replace existing driver radio button. Click Next.

8. Click Finish and follow the on-screen instructions to complete the setup.

The printer is now ready for peer-to-peer printing. To configure the printer port, go to "Configuring the Printer Port".

For Windows Me/98/95 Users

Follow the steps below to add a port using the Add Printer Wizard.

- ☐ If you want to add a port for the printer with its IP address assigned automatically from the DHCP server or router, see "Adding a port for a printer assigned with a dynamic IP address".

- ❑ If you want to add a port for the printer with its IP address assigned manually, see “Adding a port for a printer assigned with a static IP address”.

Note:

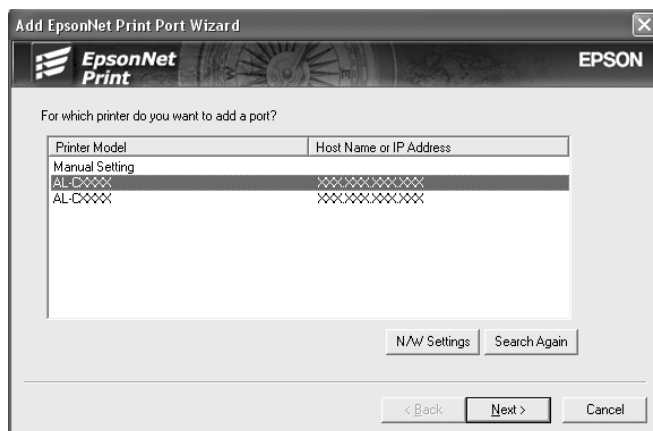
- ❑ *Be sure that the computer is connected to the network and TCP/IP is correctly set.*
- ❑ *A valid IP address must be assigned to the printer.*

Adding a port for a printer assigned with a dynamic IP address

Install the printer driver before adding a port for the printer. See the manual shipped with your printer for instructions on how to install the printer driver.

1. Click Start, point to Settings, and then select Printers.
2. Right-click the target printer icon, and then select Properties.
3. Click the Details tab, and then click the Add Port button. Select the Other radio button, and then select EpsonNet Print Port. Click OK.

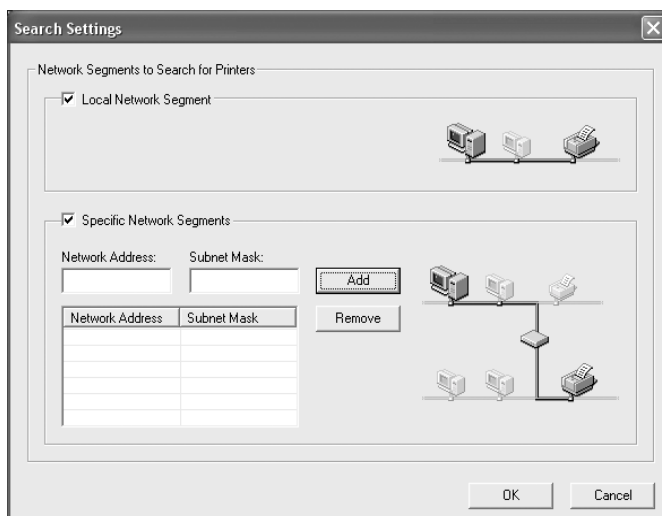
4. Select the target printer, and then click Next.



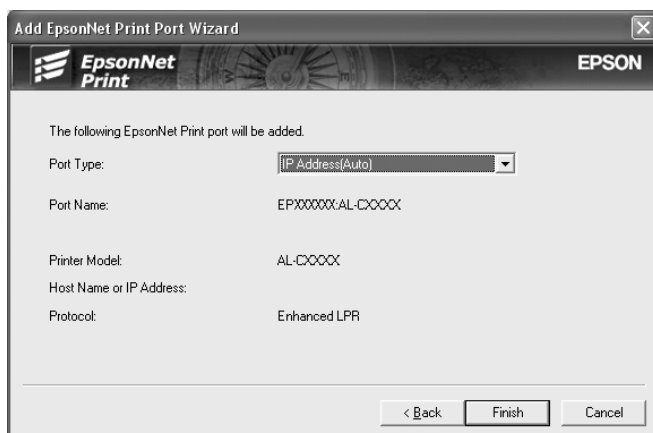
Note:

- ❑ If the target printer is not in the list, click the Search Again button to search the printers using new parameters.

- ❑ *If you want to search printers in other segments, click the N/W Settings button. Select the Specific Network Segments check box, and then enter the network address and subnet mask of the network segment for the search. Then click the Add button.*



5. Confirm the information about the printer's port you want to configure, and then click Finish.



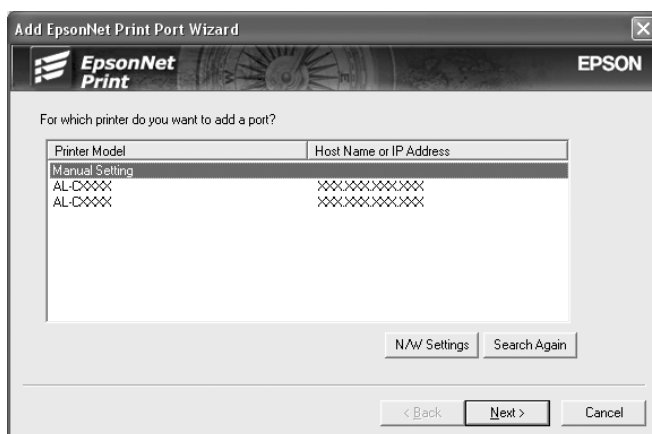
| Items | Explanations |
|----------------------|---|
| Port Type | <p>The following items are listed in the pull-down menu, and you can select the port type you need.</p> <p>IP Address(Auto): Configure the port automatically. If the IP address of the printer is acquired automatically and the computer and the printer are in the same segment, you can select this port type.</p> <p>IP Address(Manual): Use the printer's IP Address for the port name.</p> <p>HostName (DNS): Use the printer's host name registered in the DNS server for the port name.</p> <p>MS Network: Use the NetBIOS name registered in the printer for the port name.</p> |
| The port Information | <p>The following items are displayed:</p> <ul style="list-style-type: none"> - Port Name (If the port type is changed, the port name and the host name or IP address are also changed.) - Printer Model - Host Name or IP Address - Protocol |
| Finish button | Register the port information to the system and close the Add EpsonNet Print Port Wizard. |
| Back button | Go back to the printer list window. |
| Cancel button | Close the Add EpsonNet Print Port Wizard. |

The printer is now ready for peer-to-peer printing. To configure the printer port, go to "Configuring the Printer Port".

Adding a port for a printer assigned with a static IP address

Install the printer driver before adding a port for the printer. See the manual shipped with your printer for instructions on how to install the printer driver.

1. Click Start, point to Settings, and then select Printers.
2. Right-click the target printer icon, and then select Properties.
3. Click the Details tab, and then click the Add Port button. Select the Other radio button, and then select EpsonNet Print Port. Click OK.
4. Select Manual Setting from the list, and then click Next.



5. Enter the printer's name and the port name is automatically entered to the Port Name edit box. Then click Next.

Add EpsonNet Print Port Wizard

EpsonNet Print EPSON

Enter the printer's host name or IP address.

XXXXXXXXXX

Port Name:

XXXXXXXXXX

< Back Next > Cancel

6. Confirm the information about the printer's port you want to configure, and then click Finish.

Add EpsonNet Print Port Wizard

EpsonNet Print EPSON

The following EpsonNet Print port will be added.

Port Name: XXXXXXXXXXXX

Host Name or IP Address: XXXXXXXXXXXX

Protocol: Enhanced LPR

< Back Finish Cancel

| Items | Explanations |
|-------|--------------|
|-------|--------------|

| | |
|----------------------|--|
| The port Information | <p>The following items are displayed:</p> <ul style="list-style-type: none"> - Port Name - Host Name or IP Address - Protocol |
| Finish button | Register the port information to the system and close the Add EpsonNet Print Port Wizard. |
| Back button | Go back to the printer list window. |
| Cancel button | Close the Add EpsonNet Print Port Wizard. |

The printer is now ready for peer-to-peer printing. To configure the printer port, go to "Configuring the Printer Port".

Configuring the Printer Port

Follow the steps below to configure the printer port. The printing speed differs depending on your selection.

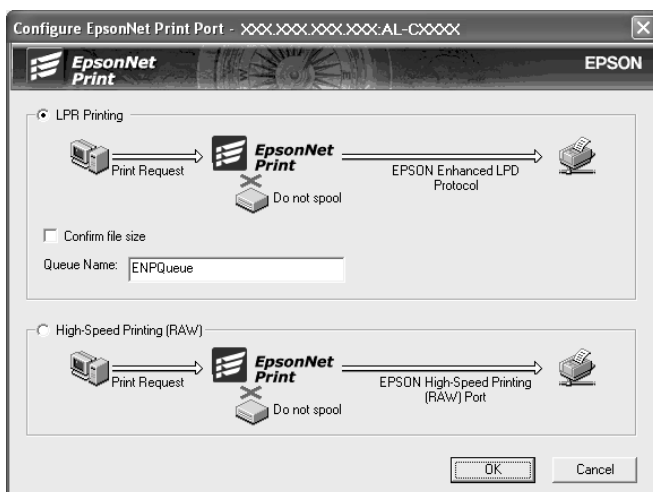
1. **For Windows Me/98/95/2000/NT 4.0:** Click Start, point to Settings, and then select Printers.

For Windows XP/Server 2003: Click Start and then Printers and Faxes.

2. Right-click the target printer, and then click Properties.
3. **For Windows Me/98/95:** Click the Details tab, and then click the Port Settings button.

For Windows XP/Server 2003/2000/NT 4.0: Click the Ports tab, and then click the Configure Port button.

4. Make the appropriate settings for the desired port.



LPR enhanced printing:

Select the LPR Printing radio button, and specify the queue name (up to 32 characters). LPR enhanced printing sends a print job to the target network printer without spooling all of the print data. LPR enhanced printing is faster than LPR standard printing.

LPR standard printing:

Select the Confirm file size check box, and specify the queue name (up to 32 characters). Print data is spooled by the computer before being sent to the target network printer.

Note:

When the print data size exceeds 20 MB, we recommend that you use LPR enhanced printing

High-Speed printing:

Select the High-Speed Printing (RAW) radio button. The Epson high-speed printing port sends a print job to the target network printer without spooling all of the print data.

High-Speed printing is faster than the other two printing methods.

5. Click OK.

If you select the High-Speed Printing (RAW) radio button and if the printer does not support High-Speed printing, an error message appears. Follow the message to remedy the problem.

EpsonNet Internet Print

About EpsonNet Internet Print

EpsonNet Internet Print is a utility program that supports printing across the Internet using Internet Printing Protocol (IPP). Since the network interface supports IPP, Internet printing is possible using this utility. You can print or make printer settings from Windows 98/95/NT 4.0 systems that can access the Internet. You can also print via a proxy server using this utility.

Before using the EpsonNet Internet Print utility, be sure to read the Readme.txt file found in the EpsonNet Internet Print folder. This file contains the latest information on the EpsonNet Internet Print.

Note:

- ❑ *EPSON Status Monitor is a utility program that monitors your device and gives you information about its current status. Because this utility does not support IPP, devices connected to the Internet cannot be monitored with EPSON Status Monitor. If you use EpsonNet Internet Print on a computer which has EPSON Status Monitor installed, a communication error message may appear when you view printer properties. To avoid this, click the Optional Settings tab in the target printer's properties dialog box and click the Update the Printer Option Information Manually radio button.*
- ❑ *For Windows XP/Me/2000, use the OS standard IPP client for the Internet printing.*

System Requirements

Operating systems

- ☐ Windows 98, Windows 95, or Windows NT 4.0 Server and Workstation
- ☐ An Intel x86 series or compatible processor

Supported products

- ☐ Epson network interfaces that support IPP (EpsonNet Internet Print comes with Epson network interface products that support IPP)

Installing EpsonNet Internet Print

Follow the steps below to install EpsonNet Internet Print.

1. Insert the Software CD-ROM in the CD-ROM drive.

If the Installer dialog box does not appear automatically, double-click EPSETUP.EXE on the CD-ROM.
2. In the Welcome screen, click the Next button.
3. Read the license agreement, and then click the Agree button.
4. Select Install Network Utility.
5. Click the Install button located next to EpsonNet Internet Print.
6. Follow the on-screen instructions to complete the installation.
7. Restart the computer after installation is complete.

Setting Up Your Device Using EpsonNet Internet Print

EpsonNet Internet Print supports printing across the Internet using Internet Printing Protocol. Follow the steps below to set up the device.

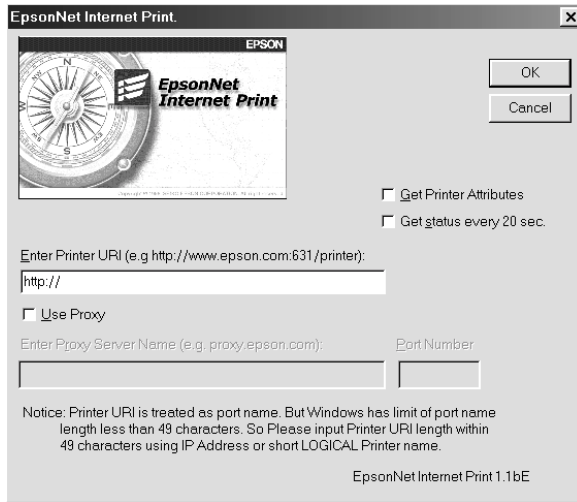
Note:

Before following the steps below, you must make the appropriate IPP settings in EpsonNet Config. See the EpsonNet Config Reference Guide or "IPP" for instructions on setting up IPP. In the steps below, you will be asked for the IPP URL you set in the IPP setting screen in EpsonNet Config.

Windows 98/95

1. Make sure that TCP/IP is correctly installed and setup in the computer and a valid IP address is set for the computer and device.
2. Make sure that the IPP settings in EpsonNet Config are correct. See the *EpsonNet Config Reference Guide* or "IPP" for instructions on settings for IPP.
3. To start EpsonNet Internet Print, click Start, point to Programs and then EpsonNet Internet Print, then click Add EpsonNet Internet Print Port.

4. The following screen appears. The address you set here becomes the port for Internet printing. Make the settings described below.



Enter Printer URI:

Enter the target device's URI up to 49 characters. The URI you set here must be same as the IPP URL you have set for the IPP setting screen in EpsonNet Config. Do not use the following characters; | \ [] { } < > # " `

Format: **http://**IP address of device:**631/**printer name

Example: **http://**192.168.100.201:**631/**EPSON_IPP_Printer

Use Proxy:

When using the proxy server, select this box and enter the Proxy Server Name and Port Number. All communication is done via the proxy server.

Enter Proxy Server Name:

Enter the proxy server name or the IP address of the proxy server. You can enter up to 256 characters, but only 127 characters are valid. Do not use the following characters; | \ [] { } < > # " `

Port Number:

Enter the port number of the proxy server (from 0 to 65535).

Get Printer Attributes:

When you select this box and click OK, EpsonNet Internet Print communicates with the device and acquires information, so it may take a few minutes before a message appears. This setting is available only when creating a port.

Get status every 20 sec.:

Select this box when you want to receive printer status updates at regular intervals (every 5 seconds during printing and every 20 seconds when idle). If you select this box, a message will appear if an error occurs during printing. You can also check the printer status by double-clicking the printer icon.

OK button:

Saves the settings.

Cancel button:

Cancels any changes.

Note:

- ☐ *The settings you make above can be changed from the printer driver. In the printer Properties dialog box, click the Details tab, and click the Port Settings button to change the settings.*
- ☐ *Be aware that when connecting to the Internet using a dial-up router and selecting the Get status every 20 sec check box, you may be charged for the extra line connection.*
- ☐ *When you check the Get Printer Attributes check box and click OK, an error message may appear. Be sure that the device power is on, and the device is correctly connected on the network.*

- ❑ *If the device power is off or there is a problem on the network, the Get status every 20 sec check box is automatically cleared. If this happens, make sure that the device power is on and the device is correctly connected on the network, and then select the Get status every 20 sec check box again.*

5. Click OK to save settings.
6. When a message appears saying the settings are correctly configured, click OK to start the Add Printer Wizard. Click Next.

Note:

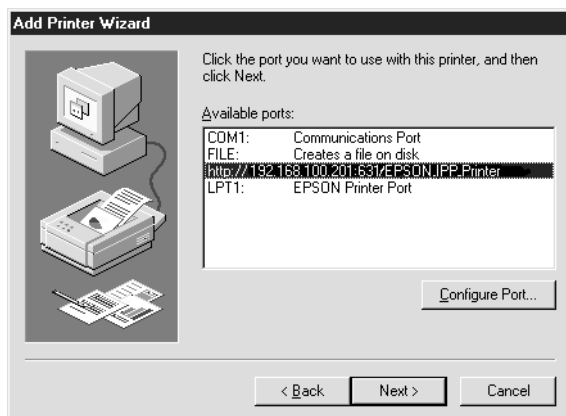
If you click Cancel and then later want to add the device, start the Add Printer Wizard and follow the steps below.

7. Click the Local printer radio button and click Next.
8. Select the printer driver and click Next.

If the following dialog box appears, select Replace existing driver and click Next.



9. Select the port added by EpsonNet Internet Print in the previous section. Click Next.



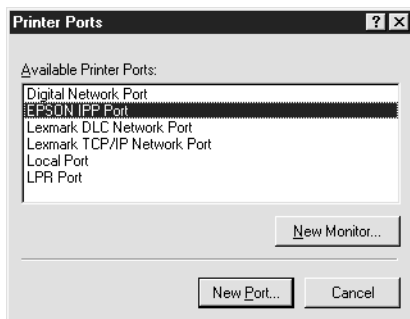
10. Follow the on-screen instructions to install the printer driver.
11. If a dialog box instructing you to install EPSON Status Monitor 2 or EPSON Status Monitor 3 appears, click Cancel and terminate the installation.

Note:

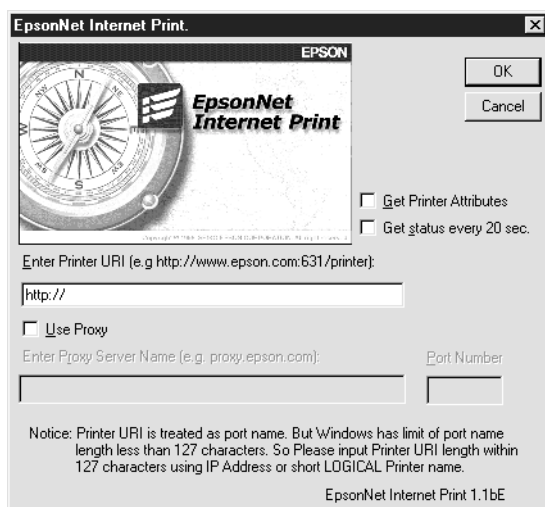
- ❑ *If you delete the port which you set above from the Details tab of the printer properties, you cannot reuse the deleted port name as a new port name (the printer URI) until you restart the computer.*
- ❑ *If you are using EPSON Status Monitor 3 and printing with EpsonNet Internet Print, the message "A communication error has occurred." appears. You can get rid of this message by clearing the Monitor the Printing Status check box in the Utility menu of the printer properties.*

Windows NT 4.0

1. Be sure that TCP/IP is correctly installed and setup in the computer and a valid IP address is set for the computer and device.
2. Make sure that the IPP settings in EpsonNet Config are correct. See the *EpsonNet Config Reference Guide* or “IPP” for instructions on settings for IPP.
3. Click Start, point to Settings, and then select Printers.
4. Double-click the Add Printer icon and click Next.
5. Click the My Computer radio button and click Next.
6. Click the Add Port button, and select EPSON IPP Port from the list. Then click the New Port button.



7. The following screen appears. The address you set here becomes the port for Internet printing. Make the settings described below.



Enter Printer URI:

Enter the target device's URI (up to 127 characters). The URI you set here must be the same as the IPP URL you set for the IPP configuration in EpsonNet Config. Do not use the following characters; | \ [] { } < > # " `

Format: **http://**IP address of device:**631**/printer name

Example: **http://**192.168.100.201:**631**/EPSON_IPP_Printer

Use Proxy:

When using a proxy server, select this box and enter the Proxy Server Name and Port Number. All communication is done via the proxy server.

Enter Proxy Server Name:

Enter the proxy server name or the IP address of the proxy server (up to 256 characters). Do not use the following characters; | \ [] { } < > # " `

Port Number:

Enter the port number of the proxy server (from 0 to 65535).

Get Printer Attributes:

When you select this box and click OK, EpsonNet Internet Print communicates with the device and acquires information, so it may take a few minutes before a message appears. This setting is available only when creating a port.

Get status every 20 sec.:

Select this box when you want to receive printer status updates at regular intervals (every 5 seconds during printing and every 20 seconds when idle). If you select this box, a message will appear if an error occurs during printing. You can also check the printer status by double-clicking the printer icon.

OK button:

Saves the settings.

Cancel button:

Cancels any changes.

Note:

- ☐ *The settings can be changed after setting up the device. In the printer Properties dialog box, click the Ports tab, and click the Configure Port button to change the settings.*
- ☐ *Be aware that if you connect to the Internet using a dial-up router and select the Get status every 20 sec check box, you may be charged for the extra line connection.*
- ☐ *When you select the Get Printer Attributes check box and click OK, an error message may appear. Be sure that the device power is on, and the device is connected to the network.*

- ❑ *If the device power is off or there is a problem in the network, the Get status every 20 sec check box is automatically cleared. If this happens, make sure that the device power is on and the device is correctly connected on the network, and then select the Get status every 20 sec check box again.*
8. Click OK to save the settings.
 9. Select the printer driver, and follow the on-screen instructions to install the printer driver.

Note:

When you are using EPSON Status Monitor 3 and printing from EpsonNet Internet Print, the message "A communication error has occurred." appears. To clear this message, right-click the printer icon, select Document Defaults, and select the Utility tab. Then select the Monitor the Printing Status check box.

Status Alert Window

The EpsonNet Internet Print utility updates the status of the IPP printer if you have selected the Get status every 20 sec check box in the EpsonNet Internet Print dialog box.

The status alert window appears when the device is out of paper, toner, or ink, if paper is jammed, the cover is open, or when the device is offline.

The EpsonNet Internet Print utility checks the printer status every 5 seconds during printing and every 20 seconds when idle. If you do not want to check the printer status, clear the Get status every 20 sec check box in the EpsonNet Internet Print dialog box.

EpsonNet WebManager

About EpsonNet WebManager

EpsonNet WebManager is an application designed to manage network devices. It allows network administrators to easily control network devices. EpsonNet WebManager offers the following features:

- ❑ It supports Windows, Macintosh, and UNIX platforms to give network administrators flexibility in managing network devices.
- ❑ It allows you to search and monitor network devices, and make settings for network devices.
- ❑ It offers a Group Management function that helps you manage devices as a group.
- ❑ It provides printer driver management functions: such as the ability to store printer drivers on the EpsonNet WebManager server, and easy installation of printer drivers on client PCs.

Note:

- ❑ *Before installing and using EpsonNet WebManager, be sure to read the Readme.txt file. This file contains the latest information on EpsonNet WebManager.*
- ❑ *The term “device” refers to a printer, interface card, or network adapter.*

System Requirements

Note:

- ❑ *Before using EpsonNet WebManager, the computer and other devices must be properly connected to the network.*
- ❑ *Since EpsonNet WebManager runs on a Web browser, you must install TCP/IP and a Web browser first. See the Readme.txt file for supported browsers.*

EpsonNet WebManager server operating systems

EpsonNet WebManager server is a computer with EpsonNet WebManager installed.

| | |
|---|---|
| Operating system | Windows Server 2003 Windows 2000 Server/Advanced Server (with Service Pack 3 or higher) Windows NT 4.0 Server/Terminal Server Edition |
| Operating system for operational check only | Windows XP Home Edition/Professional Windows 2000 Professional (with Service Pack 3 or higher) Windows NT 4.0 Workstation (with Service Pack 6 or higher) |
| System | Pentium 300 MHz or better recommended |
| Memory | 256 MB |
| Hard disk space | 100 MB (1 GB is recommended when using the printer driver management function.) |

EpsonNet WebManager client operating systems

You can access the EpsonNet WebManager server from the following operating systems through a browser.

- ❑ Windows XP/Me/98/Server 2003/2000/NT 4.0

- ❑ Macintosh
- ❑ UNIX (see the Readme.txt file for supported UNIX systems)
- ❑ Monitor: 1024 x 768 or higher resolution VGA monitor with support for 65535 or more display colors

EpsonNet WebManager Functions

EpsonNet WebManager provides you with the following functions:

- ❑ Device list function
Searches for devices on the network and displays a device list with current status.
- ❑ Device details function
You can make or change the printer settings through EpsonNet WebManager. The setting items in the Device details function will differ depending on the device.
- ❑ Network settings function
You can make or change the network interface settings through EpsonNet WebManager.
- ❑ Group management function
Groups can help you manage network devices more effectively.
- ❑ Printer driver management
Downloading and updating the printer driver through the Internet automatically, and easy installation of the printer driver on client PCs.

Note:

- ❑ *Some functions of EpsonNet WebManager may not be available depending on the combination of network devices. See the Introduction of the EpsonNet WebManager Reference Guide for detailed information.*
- ❑ *When using EpsonNet WebManager with Internet Explorer in Mac OS, the Printer Layout window, Error Notification window, and Device Details window may not be available.*

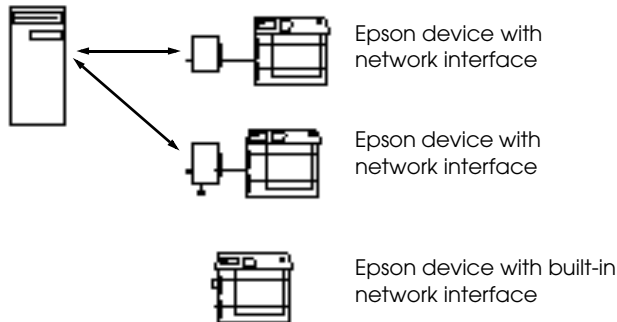
EpsonNet WebManager Operating Structure

EpsonNet WebManager must be installed in the computer that functions as the network server. You can select either of the two methods described below to use EpsonNet WebManager.

EpsonNet WebManager and a Web browser running on the same PC

No special server is required. Just install EpsonNet WebManager and a Web browser on the same computer that functions as a server. All administration is possible from the network administrator's Windows XP/Server 2003/2000/NT 4.0 computer.

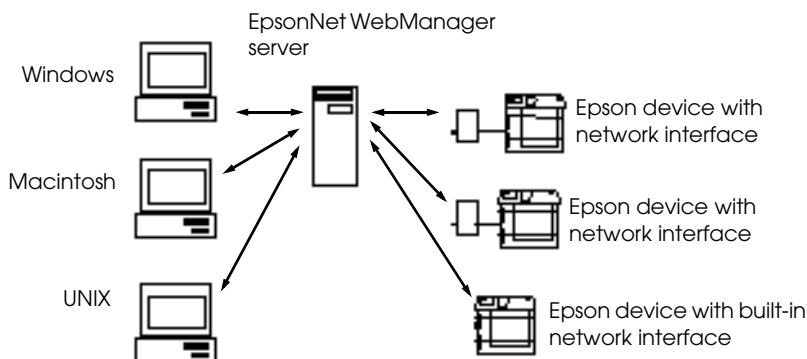
EpsonNet WebManager server



- (1): EpsonNet WebManager server
- (2): Epson device with network interface
- (3): Epson device with network interface
- (4): Epson device with built-in network interface

EpsonNet WebManager and a Web browser running on different PCs

Install EpsonNet WebManager in the server, and install a Web browser in the client computers. Run the Web browser on a client computer to access EpsonNet WebManager on the server. Multi-platform network administration is possible from Windows, Macintosh, and UNIX platforms through the browser.



- (1): EpsonNet WebManager server
- (2): Windows
- (3): Macintosh

(4): UNIX

(5): Epson device with network interface

(6): Epson device with network interface

(7): Epson device with built-in network interface

Installing EpsonNet WebManager

Follow the steps below to install EpsonNet WebManager.

1. Insert the Software CD-ROM in the CD-ROM drive.

If the Installer dialog box does not appear automatically, double-click EPSETUP.EXE on the CD-ROM.

2. In the Welcome screen, click the Next button.
3. Read the license agreement, and then click the Agree button.
4. Select Install Network Utility.
5. Click the Install button located next to EpsonNet WebManager.
6. Follow the on-screen instructions to complete the installation.

Note:

- ☐ *You do not need to install EpsonNet WebManager in the client computer. Just announce the IP address or host name of the server to any clients who use EpsonNet WebManager from a client computer.*
- ☐ *To use the printer driver management function, you need to select Custom and then select the check box during installation.*

Starting EpsonNet WebManager

Be sure that TCP/IP is installed, and the IP address or host name is set for the computer. (Register the host name in the hosts file in the Windows directory.)

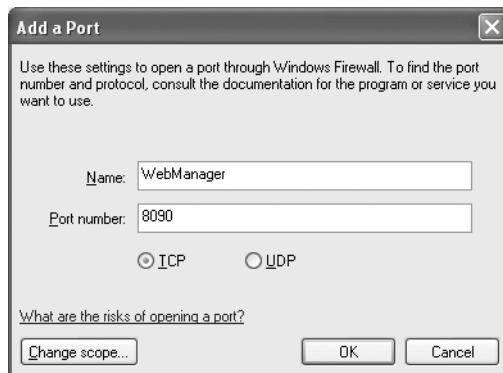
From the server

To start EpsonNet WebManager, click Start, point to All Programs (for Windows XP/Server 2003 users) or Programs (for Windows 2000/NT 4.0 users), and then select EpsonNet WebManager. Click EpsonNet WebManager.

Note for Windows XP Service Pack 2 users:

If EpsonNet WebManager is installed on the computer running Windows XP Service Pack 2, make the following settings; otherwise the client computers cannot access EpsonNet WebManager.

1. Click Start, point to Control Panel, and then select Security Center. Click Windows Firewall.
2. Click the Exceptions tab, and then click the Add Port button.
3. Enter the name of the port in the Name text box, and 8090 in the Port number text box, and then select the TCP radio button.



Note:

If necessary, click the Change scope button, and then specify the IP addresses of the client computers for which the port is unblocked.

4. Click OK.

From the client

Run the Web browser and then type the IP address (or the host name) of the server and default port number.

- ☐ Format:
http://IP address or host name of server:8090/wm
- ☐ Example:
http://192.168.100.201:8090/wm

Opening the Online Guide

After starting EpsonNet WebManager, be sure to read the EpsonNet WebManager's online reference guide. It provides important information and instructions on using EpsonNet WebManager.

You can access the online guide by using any of the following methods:

- ☐ Run EpsonNet WebManager. From the Help menu, select Online Guide.
- ☐ Click the question mark button on the current screen so that a help screen appears describing the functions on that page.

- ❑ Click Start, point to All Programs (for Windows XP/Server 2003 users) or Programs (for Windows 2000/NT 4.0 users), and then select EpsonNet WebManager. Click Online Guide.

EpsonNet SetupManager

About EpsonNet SetupManager

EpsonNet SetupManager is a utility that provides a simple printer installation and configuration tool for network administrators, and an easy network printer installation process for clients. EpsonNet SetupManager installs the printer driver for printers newly connected to the network, and helps network administrators and clients efficiently install and configure new network printers on Windows operating systems running TCP/IP.

EpsonNet SetupManager provides the following functions.

- ☐ Installs the printer driver easily.
- ☐ Installs the port monitor (EpsonNet Print) automatically.
- ☐ Creates a printer port.
- ☐ Creates a shortcut (an icon that executes the script file on the server) or a package (which contains all files needed for the installation) for automatic printer driver installation.
- ☐ Outputs the result of the printer driver installation using the script file.
- ☐ Edits more than one script file at a time.
- ☐ Registers unconnected printers in a script file.
- ☐ Installs utilities such as EPSON Status Monitor 3 and EPSON Scan that support automatic installation.

System Requirements

The following table lists the system requirements of EpsonNet SetupManager.

| | |
|------------------|---|
| Operating system | Windows XP Home Edition/Professional Windows Me Windows 98 Second Edition Windows 95 OSR2 (with Internet Explorer version 5.0 or higher) Windows Server 2003 Windows 2000 Advanced Server Windows 2000 Professional (with Service Pack 4 or higher) Windows NT Workstation 4.0 (with Service Pack 6 or higher) |
| Protocol | TCP/IP |
| Display | 800 x 600 pixels, HighColor (16 bits) |

Note:

- ☐ *If you are using Windows 95, you cannot create a script file. You can only run a script file.*
- ☐ *If you are using Windows 2000 Advanced Server or Windows Server 2003, you can create a script file, but you cannot run it.*
- ☐ *The user must have administrator privileges to execute the program when the operating system is Windows XP (Home/Professional), Windows Server 2003, Windows 2000 (Professional/Advanced Server), or Windows NT 4.0.*
- ☐ *Read the Readme.txt file for information on the supported printers and print servers. This file comes with EpsonNet SetupManager.*

- ❑ *You cannot use EpsonNet SetupManager if more than one network adapter are installed on the computer and connected to different network segments.*

Print service

| Operating systems | Port monitor services |
|---|--|
| Windows Me | EpsonNet Print or Add-Ons IPP Port Monitor |
| Windows 98 Second Edition Windows 95 | EpsonNet Print |
| Windows XP/2000 | Standard TCP/IP Port |
| Windows NT 4.0 | LPR or EpsonNet Print |

Note:

- ❑ *If you are using Windows Me/98/95 and EpsonNet Print is not installed, EpsonNet Print is automatically installed. To use EpsonNet Print on Windows 95, Microsoft Internet Explorer 5.0 must be installed on the computer.*
- ❑ *If you are using Windows NT 4.0 as well as LPR printing, we recommend that you install the LPR print service on the computer. If the LPR print service is not installed, EpsonNet Print is automatically installed.*
- ❑ *If you are using Windows Me, IPP Port Monitor is included in the Add-Ons folder on the Windows Me CD-ROM.*

Installing EpsonNet SetupManager

Follow the steps below to install EpsonNet SetupManager on your computer.

1. Insert the Software CD-ROM in the CD-ROM drive.

If the Installer dialog box does not appear automatically, double-click EPSETUP.EXE on the CD-ROM.

2. From the Welcome screen, click the Next button.
3. Read the license agreement, and then click the Agree button.
4. Select Install Network Utility.
5. Click the Install button located next to EpsonNet SetupManager.
6. Follow the on-screen instructions to complete the installation.

Accessing the User's Guide for EpsonNet SetupManager

The *EpsonNet SetupManager User's Guide* contains detailed information on EpsonNet SetupManager. Follow the steps below to access the *EpsonNet SetupManager User's Guide*.

Click Start, point to All Programs (for Windows XP/Server 2003 users) or Programs (for Windows Me/98/Server 2003/2000/NT 4.0 users), and then select EpsonNet. Click EpsonNet SetupManager, and then select UserGuide to open it.

The *EpsonNet SetupManager User's Guide* appears. You can get information on using EpsonNet SetupManager.

Tips for Administrator

Settings for NetWare Users

Introduction to NetWare Settings

This chapter explains how to configure the network interface for NetWare. First, you need to set up the device in a NetWare environment, and then configure the network interface using EpsonNet Config.

Supported systems

☐ Server environment

NetWare 3.1/3.11/3.12/3.2 (Bindery)
NetWare 4.1/4.11/4.2 (NDS, Bindery emulation)
IntranetWare (NDS, Bindery emulation)
NetWare 5.0/5.1 (NDS, NDPS)
NetWare 6.0 (NDS, NDPS)

☐ Client environment

The client environment must be supported by NetWare.
The clients are able to use the printer driver mounted on the network interface.

The following Novell Client is supported.

- ☐ For Windows 98/95:
Novell Client 3.3 or later for Windows 98/95

- ☐ For Windows 2000/NT 4.0:
Novell Client 4.8 or later for Windows 2000/NT 4.0
- ☐ For Windows XP:
Novell Client 4.9 or later for Windows XP

About modes

You can choose either the Print Server, Remote Printer, or Standby mode. We recommend that you use the Print Server mode unless the number of users exceeds the limit.

Features of these modes are described below.

Print Server mode (NDS/Bindery Print Server):

- ☐ High-speed printing with direct printing
- ☐ Uses the NetWare user account
- ☐ Can connect up to 8 file servers simultaneously
- ☐ Can register up to 32 print queues

Remote Printer mode:

- ☐ A NetWare user account is not required.
- ☐ A print server is needed to control the remote printer.
- ☐ Can attach up to 16 printers for NetWare 3.x, and up to 255 for NetWare 4.x or later.

Note:

When you turn on the device, the user account is temporarily accessed in the Remote Printer mode. If there is no user account available, turn on the device before connecting the client to the network.

Standby mode (factory default mode):

The Standby mode is the default mode. This mode disables all NetWare related functions. Use the Standby mode when you are not using the network interface in a NetWare environment.

Instructions for Using NetWare

Printing a text file

When you print a text file using the NPRINT command of NetWare or DOS, redirection, misconversion or a gap in characters may occur depending on the client environment.

IPX routing protocol “NLSP”

It is possible to set the IPX routing protocol “NLSP” from NetWare 4.x or later; however, the network interface does not support NLSP. RIP/SAP controls the communication.

You can select the routing protocol from a) NLSP with RIP/SAP Compatibility, or b) RIP/SAP Only. If you remove the bind of RIP or SAP when NLSP with RIP/SAP Compatibility is specified, the network interface then cannot communicate with the file server and NDS. (See “Protocols” and “Bindings” in NetWare’s INETCFG utility.)

Bindery and NDS

- ☐ You can check the bindery context path from the server console by using the SET BINDERY CONTEXT command.
- ☐ If the bindery context path has not been set, or if you want to use the printing environment of another context from a non-NDS client, you need to specify the context for the bindery context. Use the SET BINDERY CONTEXT command to set the context in the AUTOEXEC.NCF file.

- ❑ You cannot use the bindery print server mode with EpsonNet Config if you are running Novell Client for Windows 95/98 version 3.00 or Novell Client for Windows NT version 4.50. To configure the network interface for bindery mode, use Novell IntranetWare Client or EpsonNet Config with Web Browser.

See your NetWare documentation for more information.

Time required to recognize the network interface

It takes up to two minutes for the NetWare server to recognize the network interface, after the device is turned on. During this start-up time, the status sheet does not show the correct information.

Frame type

The same frame type should be used for the NetWare server and IPX router on the same network. If more than one frame type is used on the same network, bind all the frame types to the NetWare servers and IPX routers.

For NetWare 5.x

The IPX protocol must be installed (bound) on the NetWare 5.x server.

About modes

If the mode you have logged in is different from the mode you set for the network interface, a message appears when you try to configure the network interface for NetWare. If you do not want to change the current settings, click **Cancel** and log in again using the same mode set for the network interface.

Using Bindery Print Server (NetWare 3.x/4.x)

This section contains instructions on using the network interface in the Print Server mode on NetWare 3.x/4.x/IntranetWare with Bindery emulation.

Note:

The network interface in the Print Server mode of NetWare 3.x does not allow you to use the Print Server status display control with PCONSOLE.

1. Turn on the device.
2. From any NetWare client, log in to the target NetWare server with supervisor privileges. You must log in with the bindery connection.
3. Configure the network interface using EpsonNet Config. See the *EpsonNet Config Reference Guide* for details.

If NetWare objects are already created, you can also use EpsonNet Config with Web Browser. See “NetWare” for details.

Using NDS Print Server (NetWare 4.x/5.x/6.0)

This section contains instructions for using the network interface in the Print Server mode on NetWare 4.x, IntranetWare, NetWare 5.x, or NetWare 6.0 with NDS mode.

1. Turn on the device.
2. From any NetWare client, log in to the target context of the NDS tree as an ADMIN.

3. Configure the network interface using EpsonNet Config. See the *EpsonNet Config Reference Guide* for details.

If NetWare objects are already created, you can also use EpsonNet Config with Web Browser. See “NetWare” for details.

Using Remote Printer Mode (NetWare 3.x)

For NetWare 3.x users, follow the steps below to make the printer environment with PCONSOLE.

Creating print queues in a file server

1. From any NetWare client, log in to the network with supervisor privileges.
2. Run PCONSOLE. From the Available Options screen, select Print Queue Information and press Enter.



3. Press the Insert key on your keyboard and enter the print queue name. Press Enter.

Note:

Since your clients need the print queue name you set here when they use the printer, announce the print queue name to your clients.

4. From the Print Queue list, select the print queue name that you just entered and press Enter. From the Print Queue Information list, select Queue Users and press Enter. Next, select EVERYONE from the list. If EVERYONE is not in the list, press Insert and select EVERYONE from the queue user list.

Creating a print server

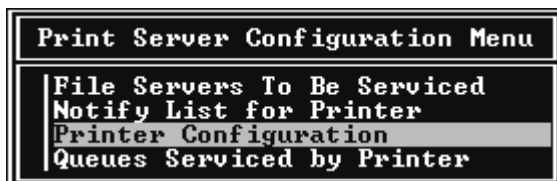
1. From the Available Options screen, select Print Server Information and press Enter.



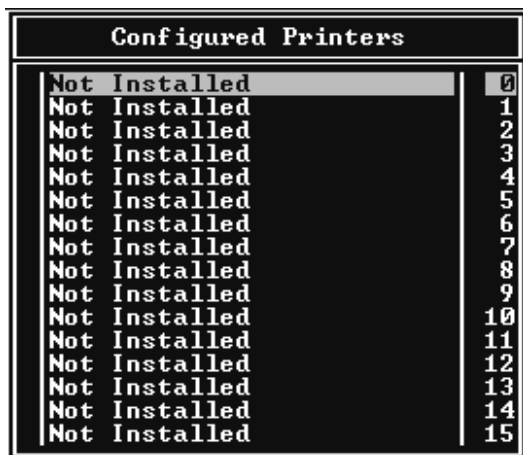
2. Press the Insert key on your keyboard and type the print server name. Press Enter. It is a good idea to write down the print server name for later use.
3. From the Print Server list, select the print server name that you just typed and press Enter. From the Print Server Information list, select Print Server Configuration and press Enter.



4. Select Printer Configuration from the Print Server Configuration Menu and press Enter.



5. From the Configured Printers list, select Not Installed (port number = 0) and press Enter.



6. From the Printer configuration screen, type the printer name. Highlight Type and press Enter. Select Remote Parallel, LPT1 for Remote Printer mode.

| Printer 0 configuration | |
|-------------------------|------------------------|
| Name: | Printer 0 |
| Type: | Local Parallel, LPT1 |
| Use interrupts: | Yes |
| IRQ: | 7 |
| Buffer size in K: | 3 |
| Starting form: | 0 |
| Queue service mode: | Change forms as needed |
| Baud rate: | |
| Data bits: | |
| Stop bits: | |
| Parity: | |
| Use X-On/X-Off: | |

Note:

Be sure to select Remote Parallel, LPT1 for Remote Printer mode.

7. Press Esc; then press Enter to save your changes.
8. Press Esc.
9. Select Queues Serviced by Printer from the Print Server Configuration menu and press Enter.

| Print Server Configuration Menu |
|---------------------------------|
| File Servers To Be Serviced |
| Notify List for Printer |
| Printer Configuration |
| Queues Serviced by Printer |

10. Select the printer that you want to use from the Defined Printers list and press Enter.
11. Press the Insert key and assign a queue to the print server port from the Available Queues list.

12. Specify a priority level between 1 to 10. One is top priority.
13. Press Esc to exit PCONSOLE.

Configuring for NetWare using EpsonNet Config

1. Turn on the device.
2. Load the print server from the file server's system console which the print queue volume is set.
>LOAD PSERVER print server name you set using
PCONSOLE
3. Configure the network interface using EpsonNet Config. See the *EpsonNet Config Reference Guide* for details.

If NetWare objects are already created, you can also use EpsonNet Config with Web Browser. See "NetWare" for details.

Using Bindery Remote Printer Mode (NetWare 4.x)

Follow the steps below to make the printer environment on NetWare 4.x and IntranetWare with Bindery emulation.

Note:

- ☐ *Assign Trusteeships for users if necessary.*
- ☐ *Be sure to use PCONSOLE to set the print queue and print server instead of using NWAdmin.*

Creating objects

1. From any NetWare client, log in to the server as an ADMIN. Make sure to log in with Bindery connection.

Note:

If the client using for this setting has been logged in with NDS mode, press F4 key while PCONSOLE is starting to switch to the bindery mode.

2. Run PCONSOLE. From the Available Options screen, select Print Queues and press Enter. Press Insert and type the print queue name. Press Enter.

Note:

Since your clients need the print queue name you set here when they use the printer, announce the print queue name to your clients.

3. From the Print Queue list, select the print queue name that you just entered and press Enter. From the Print Queue Information list, select Queue Users and press Enter. Next, select EVERYONE from the list. If EVERYONE is not in the list, press Insert and select EVERYONE from the queue user list.
4. From the Available Options screen, select Print Servers and press Enter. Press Insert and type the print server name. Press Enter.
5. Press Esc to exit PCONSOLE, and log out from the server.
6. Log in to the server as an ADMIN. Be sure to log in with NDS connection.
7. Start NWAdmin.
8. To create the Printer Object, click the container specified as the Bindery context and select Create from the Object menu, then Printer. Type the printer name and click Create.
9. To assign the print queue, double-click the Printer object icon (created in step 8). The Printer dialog box appears.
10. Click Assignments and then click Add. From the print queue list, select the queue (created in step 2) and click OK.

11. Click Configuration in the Printer dialog box, and select Parallel from the Printer type pull-down menu.
12. Click Communication. The Parallel Communication dialog box appears.
13. Select LPT1 for Port; check Polled for Interrupts; and check Manual load (Remote from Print Server) for Connection type, then click OK.
14. Click OK in the Printer dialog box.
15. To assign the printer, double-click the Print Server object icon (created in step 4). The Print Server dialog box appears.
16. Click Assignments and then click Add. From the printer object list, select the printer object (created in step 8) and click OK.
17. In the Print Server dialog box, select the assigned printer from the printer object list, and click the Printer Number button to set the printer number from 0 to 15, then click OK.
18. To confirm the objects you have assigned, double-click the Print Server object icon. Click Print Layout, and check that the print server, printer, and print queue are connected.

Configuring for NetWare using EpsonNet Config

1. Turn on the device.
2. Load the print server from the file server's system console which the print queue volume is set.
>LOAD PSERVER print server name you set using
PCONSOLE
3. Configure the network interface using EpsonNet Config. See the *EpsonNet Config Reference Guide* for details.

If NetWare objects are already created, you can also use EpsonNet Config with Web Browser. See “NetWare” for details.

Using NDS Remote Printer Mode (NetWare 4.x/5.x/6.0)

Follow the steps below to make the printer environment using NWAdmin under NetWare 4.x, IntranetWare, NetWare 5.x, or NetWare 6.0 with NDS mode.

Creating objects

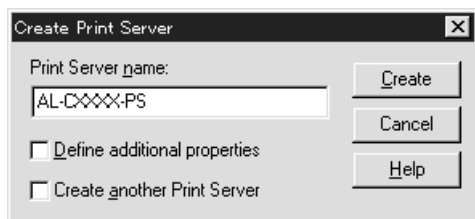
1. From any NetWare client, log in to the target context of the NDS tree as an ADMIN.
2. Run the Administrator tool (NWAdmin).
3. Create a printer:

Click the directory context icon, and select Create from the Object menu, then Printer. Type the Printer name and click Create.



4. Create a print server:

Click the directory context icon, and select **Create** from the **Object** menu, then **Print Server**. Type the Print Server name and click **Create**.

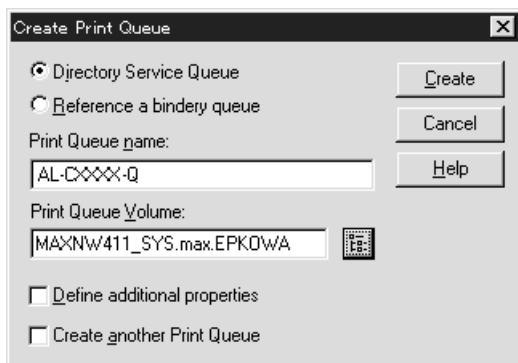


5. Create a print queue:

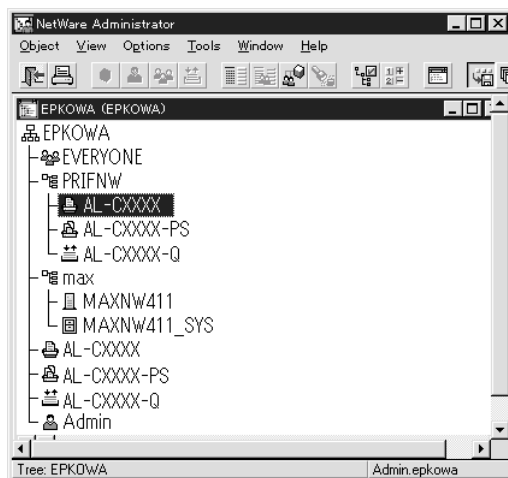
Click the directory context icon, and select **Create** from the **Object** menu, then **Print Queue**. Type the Print Queue name and select the Print Queue Volume, then click **Create**. Double-click the print queue object, and register the user.

Note:

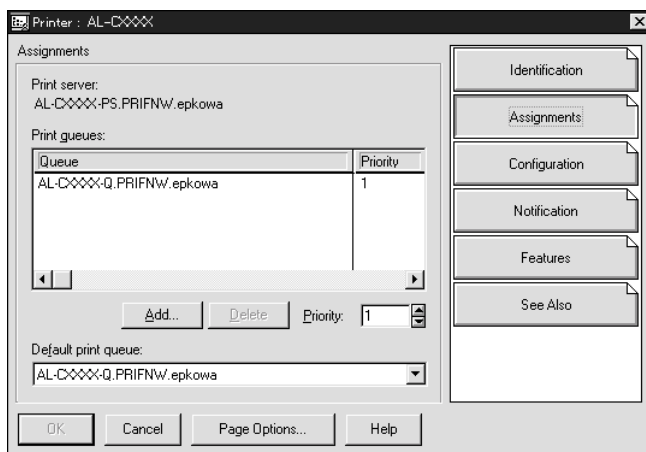
Since your clients need the print queue name you set here when they use the printer, announce the print queue name to your clients.



6. Double-click the Printer Object icon in the NetWare Administrator screen.

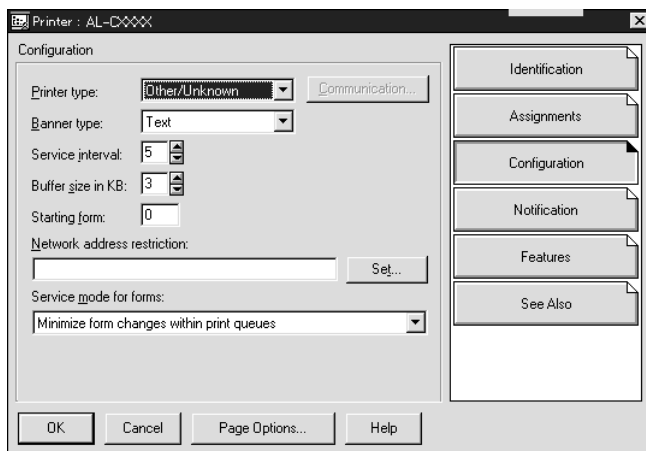


7. In the Printer dialog box appears, click Assignments and then click Add.

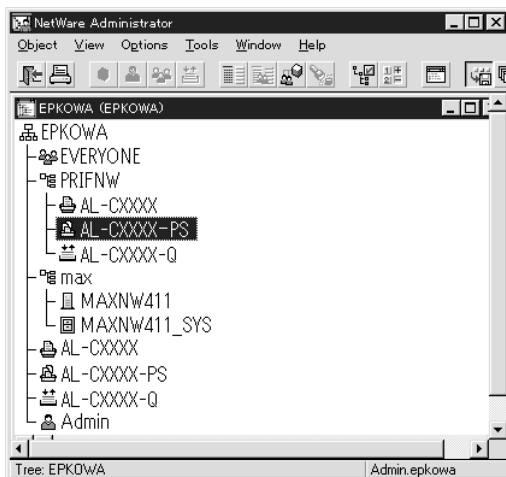


8. From the print queue list, select the queue you created in step 5 and click OK.

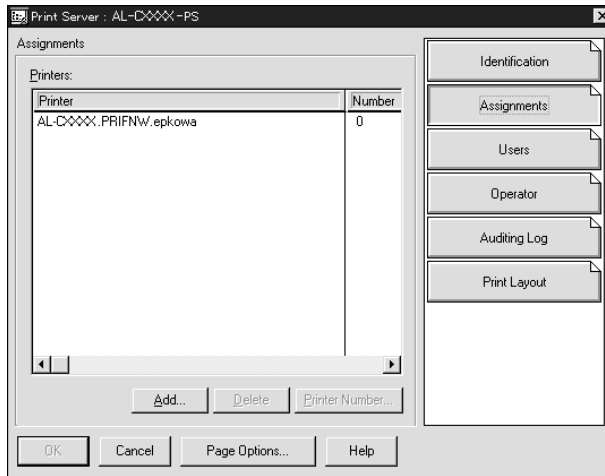
9. Click Configuration, and select Other/Unknown for the Printer type list box and click OK.



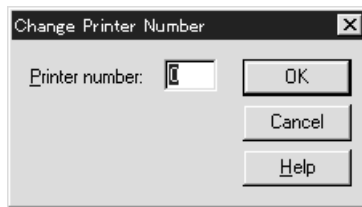
10. Double-click the Print Server Object icon in the NetWare Administrator screen.



11. In the Print Server dialog box that appears, click Assignments and then click Add.



12. From the printer object list, select the printer object you want to assign and click OK.
13. Go back to the screen in step 11, and click the Printer Number button to set the printer number from 0 to 254.



14. To confirm the objects you have assigned, double-click the Print Server object icon. Click Print Layout, and check that the print server, printer, and print queue are connected.

Configuring for NetWare using EpsonNet Config

1. Turn on the device.
2. Load the print server from the file server's system console which the print queue volume is set.
>LOAD PSERVER print server name you set using NWAdmin
3. Configure the network interface using EpsonNet Config. See the *EpsonNet Config Reference Guide* for details.

If you use the NetWare objects that are already created, you can use EpsonNet Config with Web Browser too. See "NetWare" for details.

Using the NDPS Gateway

This section contains instructions on printing using Novell Distributed Print Services® (NDPS®) with Novell® NetWare® 5.x/6.0. Novell Distributed Print Services (NDPS) is the new generation print services of NetWare.

Note:

- ❑ *Banners cannot be printed with NDPS.*
- ❑ *The Status Monitor 3 utility cannot be used with NDPS.*
- ❑ *Bind the IP or both IP or IPX protocols on the NetWare server that runs NDPSM.NLM and EPSONGW.NLM.*

Check the following points before starting.

- ❑ Install the appropriate client software, such as Novell Client 3.3 or later for Windows 95/98, Novell Client 4.8 or later for Windows 2000/NT 4.0, or Novell Client 4.9 or later for Windows XP on client workstations. Make sure they install NDPS.

- ❑ When you use the network interface with Bindery (either in the Print Server mode or the Remote Printer mode), you need PCONSOLE.EXE to create bindery objects such as Print Server and Print Queue objects. Since PCONSOLE.EXE does not come with NetWare 5.x/6.0, you need to get the file from Novell.

Outline of settings

The followings are basic steps to use the network interface with the NDPS printing system. Detailed procedures are described in the subsequent sections.

1. Select the Connection Type and make the printer environment on the Server and Clients.
2. Create an NDPS Manager object in NetWare Administrator.
3. Create a Printer Agent in NetWare Administrator.
4. Configure the network interface using EpsonNet Config.
5. Set the printer on the client workstations.

The environment to use, the settings you make, and the tools to use differ depending on the printer type and connection type you choose. You can create an NDPS Manager and Printer Agent in NetWare Administrator or partially via the Server Console. See the Novell online documentation for more details.

Making printer environment

1. Select the Connection Type from the following: Remote (rprinter on IPX), Remote (LPR on IP), or Forward jobs to a Queue (via the current legacy queue-based print services).

2. Install (bind) the following protocols on the server depending on the connection type you use.
 - ❑ For Remote (rprinter on IPX) connection, install IPX
 - ❑ For Remote (LPR on IP) connection, install TCP/IP
 - ❑ For Forward jobs to a Queue connection, install IPX
3. Install the appropriate Client Software on client workstations. Make sure they install NDPS.
4. Install printer drivers on client workstations. See the printer manual for the installation.

Note:

- ❑ *Do not install the printer drivers via the NetWare server.*
- ❑ *Do not add printers and do not install printer drivers using Novell Print Manager (NWPMW32.EXE).*

Creating an NDPS Manager

1. Run NetWare Administrator (NWADMIN32.EXE) on the client machine. The main browser window appears.
2. To create an NDPS Manager, click the Directory context icon, and then select Create from the Object menu.
3. Select NDPS Manager from the list.
4. Enter the NDPS Manager name in the NDPS Manager Name field.
5. Browse the Resident Server and select where you want the NDPS Manager assigned.
6. Browse the Database Volume and select where you want the NDPS Manager database assigned.
7. Click Create. The NDPS Manager icon appears in the main browser window.
8. Type LOAD NDPSM at the server console, and then select the NDPS Manager you have created.

Creating a Printer Agent

After creating an NDPS Manager, you can create Printer Agents, either public access printers or controlled access printers. The way to create a Printer Agent differs depending on the printer type you choose. The following are the features of public access printers and controlled access printers.

- ❑ **Public Access Printers:**
NDPS printers that are available to all network users and not associated with an NDS object. Users can select and print to any public access printer they can view from their workstations. However, these printers do not take full advantage of services such as security and job event notification.
 - ❑ **Controlled Access Printers:**
NDPS printers that are added to the NDS tree by NetWare Administrator. They are only available to the workstation user through the NDS object list. These printers can take full advantage of the security and management features provided by NDS.
1. Select the printer type either public access printer or controlled access printer.
 2. Create a public access printer. If you want to create a controlled access printer, go to step 3.

In NetWare Administrator, double-click the NDPS Manager you have created. Click Printer Agent List, then click New. Enter the Printer Agent name, and select Novell Printer Gateway for the Gateway Type. Click OK. Go step 4.

3. Create a controlled access printer.

In NetWare Administrator, select the Directory context icon. Select Create from the Object menu, then select NDPS Printer. Enter the Printer Agent name, select Create a new Printer Agent, then click Create. Select the NDPS Manager you have created, and select Novell Printer Gateway for the Gateway Type. Click OK.

4. Select None for the Printer Type, and Novell Port Handler for the Port Handler Type, then click OK.
5. Select the Connection type, and configure it as follows.
 - ☐ For Remote (rpinter on IPX) connection
Print a status sheet of the network interface and configure the corresponding items.
Port Type: Select LPT1.
SAP Name: Enter the Primary Print Server Name.
Printer Number: Enter the Printer Port Number.
Network: Enter the Network Address.
Node: Enter the MAC Address.
Interrupt: Select None.
 - ☐ For Remote (LPR on IP) connection
IP Address: Enter the IP address of the network interface.
You can confirm the IP address on a status sheet.
 - ☐ For Forward jobs to Queue connection
Queue Name: Enter the queue name that the network interface uses in legacy queue-based print services (either in Print Server mode or Remote Printer mode).
Queue User Name: Type a user name who has rights for the above queue.
Password: Enter the password that the Queue User uses to login to the server.
6. Select None for the Printer Driver.
7. Confirm the Printer Agent that you have just created.

In NetWare Administrator, double-click the NDPS Manager object and click the Printer Agent List button. Check that the status of the Printer Agent you have just created is “Idle”.

Note:

If you have selected Remote (rpinter on IPX), configure the network interface using EpsonNet Config, as described in the next section, and then print a status sheet.

Go to the next section if you select Remote (rpinter on IPX).
Go to “Setting the printer on client workstations” if you select Remote (LPR on IP) or Forward jobs to Queue.

Configuring for NetWare using EpsonNet Config

Follow the steps below if you want to use the printer in IPX network.

Note:

Be sure that the one of the following clients is installed on your computer: Novell Client 32, Novell IntranetWare Client, or Novell Client.

1. Turn on the device.
2. From any NetWare client, log in to the target NetWare server as an ADMIN.
3. Run EpsonNet Config from the Start menu. See “Accessing the EpsonNet Config Reference Guide” for details.

If the IP address of the printer is already assigned, you can use EpsonNet Config with Web Browser too. See “NetWare” for details.

Setting the printer on client workstations

After configuring the network interface, set up the printer on client workstations.

Installing printers automatically

1. Run the Novell Printer Manager from Windows. If you are running Windows, run:
`\PUBLIC\WIN32\NWPMW32.EXE`
2. In the Novell Printer Manager dialog, select **New** from the **Printer** menu.
3. Click **Add**. A list of available printers appears.
4. Select the printer you want and click **Install**.

The Novell Printers---Install dialog appears. You may modify the printer name that appears and select a pre-defined configuration.

5. Click **OK**. The printer driver for that printer model is installed automatically from the Resource Management Service.
6. Click **Close**. The printer appears in the main Printer Manager window and is available for print jobs.

Installing printers manually

1. Install the printer driver.
2. Change the **Ports** on the printer's properties dialog box. Specify the following objects for the port.

☐ **For Public Access Printers:**

The Printer Agent you have created in "NDPS Public Access Printers" under Entire Network.

❑ **For Controlled Access Printers:**

The Printer Agent you have created in the NDS tree.

See the Novell online documentation for details.

Instructions for Using a Dial-Up Network

This section explains about using a dial-up network.

Note:

The primary server described in this manual indicates a primary time server which offers time to the workstations on the network.

Using a dial-up network in each mode

Print Server mode

You must use a dedicated dial-up line.

Since polling is performed on the file server in the print server mode, no vicarious response by the router is possible. Therefore, no dial-up connection is possible in this case.

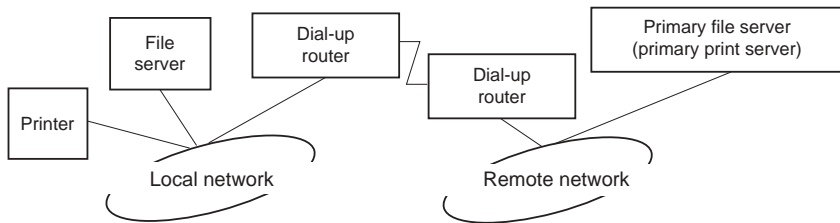
Remote Printer mode

In Remote Printer mode, use of a router with a vicarious response function allows the primary server to be installed at the dial-up destination. However, an extra account might be generated when the primary server is down. To avoid that, it is recommend to use connections via a dedicated dial-up line.

Follow the instructions for using a dial-up line.

When there is a primary server at the dial-up destination

For local networks with file servers:



- ☐ When the power is turned on

A dial-up is generated because access is made to a local file server first and then to a primary server. There is no problem since this dial-up only occurs at startup.

- ☐ When the network interface is not correctly set

A dial-up is generated because access is made to a local file server first and then to a primary server. This dial-up is repeated at intervals of approximately 5 minutes. Make the network interface settings correctly to avoid this problem.

- ☐ During normal operation (standby)

An SPX Watchdog packet is sent according to the NetWare protocol convention. Use a router with a vicarious response function to avoid a dial-up.

- ☐ During normal operation (printing)

A dial-up is generated while the printing data is being transferred. This is not a problem because it is a dial-up specific to the dial-up network.

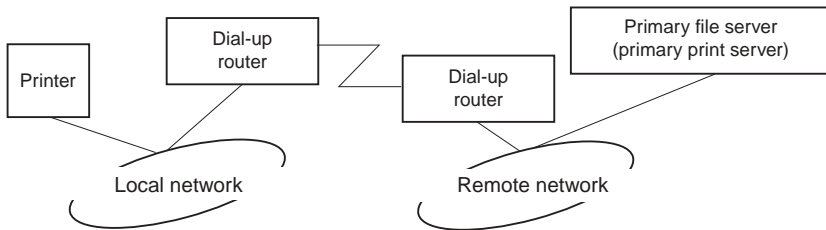
- ❑ When the primary server is down during operation

A dial-up is generated because a connection to the primary server is attempted periodically. Since this is attributable to the automatic re-connection function, turn off the printer once.

- ❑ When the file server on the local network is down

When there is no file server on the local network, NetWare cannot be used on the local network. In this case, the NetWare protocol for the network interface is also not available. No dial-up is generated under this condition. When the file server on the local network is restored, the network interface is also automatically restored.

For local networks with no file server:

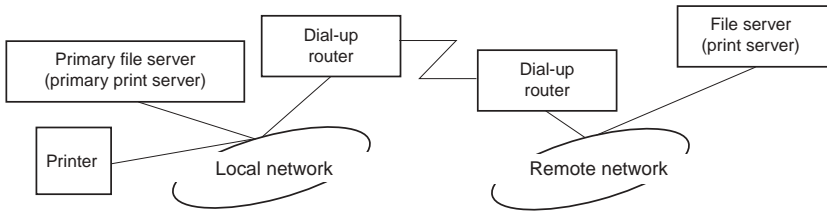


Depending on the router settings, the NetWare protocol can be used without a file server on a local network. This setup follows the same pattern as that described above.

When there is a primary server in the local network

Even if a primary server is installed on the local network, an unnecessary dial-up may be generated depending on the configuration.

The following problems are common to both Print Server mode and Remote Printer mode.



❑ When the power is turned on

Since access is made only to the primary server, no dial-up is generated.

❑ When the network interface is not correctly set

Since access is made only to the primary server, no dial-up is generated. However, if the file server/print server of the remote network is erroneously set as the primary server, an unnecessary dial-up might be generated. Correct the settings to avoid this problem.

❑ During normal operation (standby/printing)

Since access is made only to the primary server, no dial-up is generated.

❑ When the primary server is down during operation

Connection to the primary server is periodically attempted, but no dial-up is generated. However, if the router is set to pass SAP packets (Find Nearest Server), an unnecessary dial-up might be generated. To avoid this, turn off the printer once, or do not allow the router to pass SAP packets (Find Nearest Server).

Settings for UNIX Users

Introduction to UNIX Settings

This chapter explains how to set up the device for different UNIX systems using the `lpr` command.

Your device is able to function as a remote printer on systems using TCP/IP Ethernet transfer with `lpr` remote printing protocol, or standard `ftp` (file transfer protocol).

Note:

Because this device does not convert data into the printer control language, a printer driver and filter are necessary for each system.

lpr filters

Filters for `lpr` are controlled by the name given to the remote printer. When setting up an `lpr` printer entry, a name is entered for:

- ☐ the local printer name to be redirected
- ☐ the host name of the station to which the print is sent
- ☐ the remote printer name (name of the printer port on the remote station)

Many different remote printer names may be set up, all directed to the same Ethernet remote host, and each is given a different local printer name to be redirected. Different types of print jobs may be sent to different printer names, which will then all print out on the same printer, through the same Ethernet interface, but using different filters.

The remote printer name options used to invoke the different filters are as follows:

| | |
|------|---|
| lpb | Binary files (no filters) |
| lpa | ASCII files (carriage returns at line ends) |
| lpbf | Binary file with form feed at file end |
| lpaf | ASCII file with form feed at file end |

All other remote printer name options will be treated the same as lpb.

The following is an example of sending a text file, "txtfile", via lpr with a form feed appended:

```
% lpr -plpaf txtfile
```

Setting Up Different UNIX Systems Using the lpr Command

The following UNIX systems can print using the standard lpr command.

- SunSoft Solaris 2.4 or later
- SunOS 4.1.4 or later
- IBM AIX 3.2.5 or later and 4.1.3 or later
- HP-UX 9.05 or later
- SCO UNIX 4.2 or later

Setting up for SunSoft Solaris 2.4 or later

In the following steps, substitute the name that your device will be known by for HOSTNAME, and the name by which you want your device to be known for Rprinter.

1. Add the IP address and printer host name to the `\etc\hosts` file.

For example:

```
22.33.44.55 HOSTNAME
```

2. Define the host name as a print server.

For example:

```
lpsystem -t bsd HOSTNAME
```

3. Create the printer.

For example:

```
lpadmin -p Rprinter -s HOSTNAME\aux-T unknown-l  
any
```

4. Enable the device for use.

For example:

```
accept Rprinter  
enable Rprinter
```

5. To print, use the `lp` command.

For example:

```
lp -d RPrinter Print-File-Name
```

Setting up for SunOS 4.1.4 or later

In the following steps, substitute the name that the device will be known by for HOSTNAME, and the name by which you want the device to be known for Rprinter.

1. Add the IP address and printer host name to the `\etc\hosts` file.

For example:

```
22.33.44.55 HOSTNAME
```

2. Create a spool directory.

For example:

```
mkdir \var\spool\lpd\PRIFx
```

3. Add the printer entry to the `\etc\printcap` file.

For example:

```
Rprinter |
```

```
ALCXXXX:lp=:rm=HOSTNAME:rp=aux:sd=/var/spool/lpd  
/PRIFx
```

4. To print, use the `lpr` command.

For example:

```
lpt -s -PRPrinter Print-File-Name
```



Caution:

Files that exceed 1 MB may not be printed unless the `-s` option is used.

Setting up for IBM AIX 3.2.5 or later and 4.1.3 or later

In the following steps, substitute the name that the device will be known by for HOSTNAME, and the name by which you want the device to be known for Rprinter.

1. Add the IP address and printer host name to the /etc/hosts file.

For example:

22.33.44.55 HOSTNAME

2. Run smit.

For example:

smit printer

3. Set the printer name (for example: Rprinter) in:

"Manage Remote Printer"

"Client Services"

"Remote Printer Queues"

"NAME of queue to add".

Set the host name (for example: HOSTNAME) in:

"DESTINATION HOST for remote jobs".

Set the port name (for example: aux) in:

"Name of QUEUE on remote printer".

4. To print, use the lpr command.

For example:

lpr -PRPrinter Print-File-Name

Setting up for HP-UX 9.05 or later

In the following steps, substitute the name that the device will be known by for HOSTNAME, and the name by which you want the device to be known for Rprinter.

1. Add the IP address and host name to the /etc/hosts file.

For example:

```
22.33.44.55 HOSTNAME
```

2. Terminate the printer service.

For example:

```
lpshut
```

3. Create a printer.

For example:

```
lpadmin -pRPrinter -v/dev/null -mrmodel  
-ormHOSTNAME -orpaux
```

4. Restart the print service.

For example:

```
lpshed
```

5. Enable the printer for use.

For example:

```
accept Rprinter  
enable Rprinter
```

6. To print, use the lp command.

For example:

```
lp -dRPrinter Print-File-Name
```

Setting up for SCO UNIX 4.2 or later (Open Server)

In the following steps, substitute the name that the device will be known by for `HOSTNAME`, and the name by which you want the device to be known for `Rprinter`.

1. Add the IP address and host name to the `/etc/hosts` file.

For example:

```
22.33.44.55 HOSTNAME
```

2. Execute `rlpconf` to register the printer.

For example:

```
rlpconf
```

3. Enter the name of the printer.

For example:

```
Please enter the printer name (q to quit):RPrinter
```

4. Specify the remote printer as the printer type.

For example:

```
Is Rprinter a remote printer or a local printer (r/l)? r
```

5. Enter the name of the remote printer's host.

For example:

```
Please enter the name of the remote host that  
Rprinter  
is attached to:  
HOSTNAME  
Printer RPrinter is connected to host HOSTNAME
```

6. Confirm that the entries are correct.

For example:

```
Is this correct?(y/n)y
```

7. Specify that the RLP extended function (valid when the print server is SCO-UNIX) will not be used.

For example:

If HOSTNAME currently runs SCO OpenServer Release 5 or above, it can support the extended remote line printer protocol. Do you want to turn on the "extended RLP protocol" support flag?
If you are not sure, answer "n"? (y/n)(n)n

8. Specify whether the created printer is to become the default printer.

For example:

Would you like this to be the system default printer?
(y/n)y

9. To print, use the lpr command.

For example:

lpr -d RPrinter Print-File-Name

Using the ftp Command

ftp commands are common to all UNIX systems.

ftp programs use interfaces that are common for all unix systems.

The following is an example of printing using the ftp command (the entry operations are underlined).

```
ftp> open 22.33.44.55
```

```
Connected to 22.33.44.55
```

```
220 PR-lfx(22.33.44.55) ftp server ready.
```

Name: __

331 Password Required for (No Name).

Password:___

230 User logged in.

200 Type set to I.

ftp> put binary file

200 PORT command successful.

150 Opening data connection for binary_file

226 Transfer complete

ftp> bye

Tips

Instructions on Using DHCP

When you assign an IP address to the network interface using the DHCP function, you need to change the printer port setting every time you turn on the device.

We recommend that you make one of the settings below on the DHCP server or the router and then assign a valid IP address to the network interface:

- ☐ Assign a valid IP address to the MAC address of the network interface.
- ☐ Assign an IP address that is within the range of the assignment of the DHCP server. Do not let the DHCP server assign the IP address to any other devices.

If you cannot make the above settings on the DHCP server, make one of the settings below:

- ☐ Assign an IP address that is not within the range of the assignment of the DHCP server.
- ☐ Assign an IP address that is within the range of the assignment of the DHCP server. In this case, you must turn on the network interface first, and then turn on the DHCP server.

Setting an IP Address Using the arp/ping Command

If you are using UNIX or OS/2, you need to use the arp and ping command to set the IP address of the network interface. You can also use these commands with Windows, if you have correctly installed TCP/IP networking on these systems.

Note:

- ❑ *Make sure that the Set using PING function is enabled on the TCP/IP menu in EpsonNet Config. If this function is disabled, you cannot set the IP address using the arp/ping command.*
- ❑ *Make sure the network interface and the computer are in the same segment.*

Before you start, you need the following information:

- ❑ A valid IP address for the network interface. Ask your network administrator for an IP address which does not cause conflicts with any other device on the network. If you are the network administrator, choose an address within your subnet which does not conflict with any other device.
- ❑ The MAC (Ethernet hardware) address of the network interface. You can find out the MAC address on a status sheet.

Checking the LAN

First, you need to check that the computer can reach to other computer in the same segment, as follows:

1. Set the default gateway to the host on which you are setting up the network interface.

If there is a server or a router which acts as a gateway, enter the address of the server or the router. If there is no gateway, enter the IP address of your computer as a gateway address.

2. Assume that you want to reach to the computer having the IP address "192.168.100.101". Check that the computer is reachable by "pinging" it from the command line:
ping 192.168.100.101
3. If the computer is reachable, you can see the following result (the exact form of the message depends on your operating system, and the time may vary):
64 bytes from 192:168:100:101:icmp_seq=0. Time=34.ms
4. If the computer is unreachable, you may see something like this:
PING 192:168:100:101:56 data bytes

If you press Ctrl-C, you may see something like this:
192:168:100:101 PING Statistics
3 packets transmitted, 0 packets received,
100% packet loss

Again, the exact wording of the message you see may differ from this, depending on your operating system. If you cannot "ping" the computer, check the following:

- ☐ The address in the ping command is correct.
- ☐ The Ethernet connection to the computer has been made correctly, and all hubs, routers, etc. are switched on.

Setting and checking the new IP address

To set the new IP address of the network interface which you have obtained from your network administrator, use the ping command and arp command with the -s flag (create an ARP entry).

Note:

In the following procedure, we assume that the MAC address of your network interface is 00:00:48:93:00:00 (hexadecimal), and that the IP address which you will be assigning is 192.168.100.201 (decimal). Substitute your values for these addresses when you type in the commands.

1. From the command line, type:
Example: `arp -s 192.168.100.201 00-00-48-93-00-00`
2. Execute the ping command to set the IP address by pinging it:
Example: `ping 192.168.100.201`
3. The network interface should now respond to the ping. If it does not, you may have incorrectly typed the MAC address or the IP address in the `arp -s` command. Double-check and try again. If none of these actions are effective, re-initialize the network interface and try again.
4. Print a status sheet to check whether the new IP address has been assigned to the network interface.

Note:

When the IP address is set by the ping command, the subnet mask is automatically changed by the class of the IP address. To change the subnet mask and the default gateway according to your network environment, use EpsonNet Config on Windows operating systems or EpsonNet Config in Macintosh.

Instructions on Using a Dial-Up Router

This section describes instructions on using a dial-up router.

If DHCP is used to assign an IP address of the network interface and the Dynamic DNS function is not supported, you need to change the printer port setting every time you turn on the device. Therefore, we recommend that you set a valid IP address for the network interface by using the one of the following methods.

- ☐ Set the IP address for the network interface manually. Use EpsonNet Config. See the *EpsonNet Config Reference Guide* for details.
- ☐ Specify the network interface by using the bind of DHCP function.
- ☐ Set the exclusive address of the DHCP function.

Note:

- ☐ Use NetBEUI printing if you do not want to go through these steps.
- ☐ See the manual of the Dial-Up router for more information on scope range, bind, exclusive address of the DHCP function.

Function of Universal Plug and Play

When you connect your device to the network, the device is automatically assigned with an IP address, and the printer's icon appears in the My Network Places folder. By double-clicking the printer's icon, you can access EpsonNet Config with Web Browser for basic information about the device, such as manufacturer, model name, location, and administrator's name.

Right-click the printer's icon in the My Network Places folder and select Properties. You can check the brief information of the network interface.

To use this function, the Universal Plug and Play must be installed on Windows Me or future operating systems. For information on how to install Universal Plug and Play, see the Windows Me online help.

Note:

Before using the Universal Plug and Play function, you must enable the Universal Plug and Play function in EpsonNet Config. See the EpsonNet Config Reference Guide or "Configuring the Network Interface Using EpsonNet Config".

Uninstalling Software

Follow the steps below to uninstall the network software.

Windows XP/Server 2003

1. Click Start, click Control Panel, and then click Add or Remove Programs.
2. Select the utility you want to uninstall, and then click the Change/Remove button.
3. Follow the on-screen instructions to complete uninstallation.

Windows Me/98/95/2000/NT 4.0

1. Click Start, point to Settings, and then select Control Panel.
2. Double-click the Add/Remove Programs icon.
3. Select the utility you want to uninstall, and then click the Add/Remove button (Windows Me/98/95/NT 4.0) or the Change/Remove button (Windows 2000).

4. Follow the on-screen instructions to complete uninstallation.

Macintosh

1. Double-click the EpsonNet Config Installer icon.
2. Click the Continue button.
3. In the License dialog box, read the License Agreement, and then click the Accept button.
4. Select Uninstall from the pull-down menu.
5. Click the Uninstall button.
6. Follow the on-screen instructions to complete uninstallation.

Note:

You can also uninstall the software by dragging the EpsonNet folder to the Trash.

Problem Solver

General Problems

| |
|---|
| Cannot configure the network interface or cannot print from the network. |
|---|

| Cause | What to do |
|--|--|
| The printer settings or network settings may be wrong. | First, check to see if you can print a status sheet, as described in “Status sheet button”. If you can print a status sheet, check the network settings; otherwise, set the interface mode of the printer’s control panel to Auto or Option. |

| |
|---|
| Cannot print even if you have assigned the IP address to the computer and the network interface. |
|---|

| Cause | What to do |
|--|---|
| You have assigned an IP address to the computer manually, but you assigned the IP address to the network interface by Automatic Private IP Addressing (APIPA). | Assign the IP address for the network interface so that it belongs to the same segment of the computer. Use EpsonNet Config or the printer’s control panel. |

| |
|---|
| Unable to start EpsonNet Config. |
|---|

| Cause | What to do |
|-------|------------|
|-------|------------|

| | |
|---|--|
| You have added or deleted protocols after installing EpsonNet Config. | Uninstall EpsonNet Config and then reinstall it. See “Uninstalling Software” and “Installing EpsonNet Config”. |
|---|--|

The message “EpsonNet Config cannot be used because no network is installed.” appears when you start EpsonNet Config.

| Cause | What to do |
|---|--|
| Both TCP/IP and IPX/SPX are not installed on the computer. | Install the TCP/IP or IPX/SPX protocol. |
| TCP/IP is installed on the computer, but its IP address is not set correctly. | Set a correct IP address for the computer. |

The message “Could not complete communicating configuration data” appears when you send settings to the network interface.

| Cause | What to do |
|--|---|
| This may happen when using a dial-up router. | <p>Run Command Prompt from the computer on which EpsonNet Config is installed, and then enter the following command:</p> <p>Format: >ROUTE_ADD_the IP address of the network interface_ the IP address of the computer (the under bar represents one space)</p> <p>Example: >ROUTE ADD 192.168.192.168 22.33.44.55.</p> |

Unable to start EpsonNet Config with Web Browser.

| Cause | What to do |
|-------|------------|
|-------|------------|

You have not set the IP address for the network interface.

Set the IP address for the network interface using EpsonNet Config for Windows or Macintosh, the printer's control panel, or the arp/ping commands. You can check the IP address on a status sheet. See the *EpsonNet Config Reference Guide* or "Setting an IP Address Using the arp/ping Command".

| |
|--|
| Unable to set the IP address using the arp/ping commands. |
|--|

| Cause | What to do |
|--|--|
| The network interface is not connected to the network. | Connect the network interface to the network, and check the network environment. |
| The device is located beyond the router. | The device and the computer must be in the same segment. |

| |
|---|
| The Model Name and IP Address do not appear in the EpsonNet Config dialog box. |
|---|

| Cause | What to do |
|---|---|
| If the valid IP address is not set, the items indicated in the dialog box mentioned above may not appear. | <p>Set a valid IP address.</p> <p>Refresh the status by selecting Refresh from the View menu.</p> <p>Increase the length of time before a timeout. To do this, select Options from the Tool menu, and then select Timeout. Note that doing so can cause EpsonNet Config to run more slowly.</p> |

| |
|--|
| An extra account is generated when using the dial-up network. |
|--|

| Cause | What to do |
|---|---|
| NetWare is set to Enable even though you are not using NetWare. | Set NetWare to Disable on the NetWare screen of EpsonNet Config with Web Browser. |

The network interface cannot roam around the access point.

| Cause | What to do |
|-------------------------------------|---|
| The AP Density is not properly set. | Change the AP Density in the Network Detailed dialog box. |

The WEP Key entered is not displayed in the field.

| Cause | What to do |
|---|--|
| The WEP Key disappears after the network interface is configured. | Do not forget the WEP Key (1 to 4) you have set. |

The network interface does not appear in the EpsonNet Config list view.

| Cause | What to do |
|-------|------------|
|-------|------------|

There are several possible causes. Check the items described on the right.

Make sure the network interface is properly connected to the device using the USB cable.

Make sure the device and the network interface are turned on.

Make sure the mode, WEP Key, SSID, authentication method, and channel (for Ad Hoc mode) of the network interface and the wireless LAN are the same.

Make sure there is no radio interference causing the problem.

Check the connection range of the network interface.

| |
|---|
| The wireless communication speed is very slow. |
|---|

| Cause | What to do |
|-------|------------|
|-------|------------|

| | |
|--|--|
| There are several possible causes. Check the items described on the right. | |
|--|--|

| | |
|--|--|
| | Adjust the location and orientation of the access point. |
|--|--|

| | |
|--|--|
| | If interference occurs, switch to another channel. |
|--|--|

| | |
|--|---|
| | Other devices may be causing the interference. Relocate the “noisy” devices if found. |
|--|---|

| |
|------------------------------------|
| Unable to start EPSON Scan. |
|------------------------------------|

| Cause | What to do |
|-------|------------|
|-------|------------|

There are several possible causes.

See EPSON Scan Troubleshooting Assistant.

If the wireless communication is interrupted during the scanning operation using EPSON Scan, the Failed receiving data dialog box appears and EPSON scan quits scanning. To start the scanning operation using EPSON scan again, turn the all-in-one off and then back on, and then start EPSON scan.

How to acquire an IP address.

To acquire your IP address, you need to apply to the NIC (Network Information Center) in your country.

Problems Specific to Your Network Environment

Windows Me/98 environment

| |
|---|
| <p>A dial-up connection dialog box appears when printing with TCP/IP via EpsonNet Print.</p> |
|---|

| Cause | What to do |
|-------|------------|
|-------|------------|

You have selected a phone line or modem (for Internet Explorer 4.0x) for the Internet connection.

Printing ends normally after you cancel this dialog box, but the message appears every time you print. Connect to the Internet using a local area network or start a dial-up network manually.

A communication error message appears when you start printing or when you open the printer's properties.

| Cause | What to do |
|--|--|
| When you print with NetBEUI or IPP, EPSON Status Monitor cannot be used. | <p>Open the printer's properties and then click the Optional Settings tab. Select the Update the Printer Option Information manually radio button.</p> <p>Open the printer's properties and then click the Utility tab. Clear the Monitor the Printing Status check box.</p> |

Windows XP/2000/NT environment

You cannot access the Network Storage from Windows XP/2000.

| Cause | What to do |
|---|---|
| You may have a print error in the LPR or NetBEUI environment. | Clear the print error and then access the Network Storage. See the printer's manual to clear the error. |

A dial-up connection dialog box appears when you are printing with TCP/IP via EpsonNet Print.

| Cause | What to do |
|-------|------------|
|-------|------------|

You have selected a phone line or modem (for Internet Explorer 4.0x) for the Internet connection.

Printing ends normally after you cancel this dialog box, but the message appears every time you print. Connect to the Internet using a local area network or start a dial-up network manually.

| |
|---|
| A communication error message appears when you start printing or when you open the printer's properties. |
|---|

| Cause | What to do |
|--|---|
| When you print with NetBEUI or IPP, EPSON Status Monitor cannot be used. | Open the printer's properties and then click the Optional Settings tab. Select the Update the Printer Option Information manually radio button. Open the printer's properties and then click the Utility tab. Clear the Monitor the Printing Status check box. |

| |
|--|
| No clients except an administrator can print via Windows NT Server 4.0. |
|--|

| Cause | What to do |
|--|---|
| CREATOR OWNER has been deleted from the Printer Permissions list, or CREATOR OWNER is set to Print or No Access. | Add CREATOR OWNER by clicking the Add button in the Printer Permissions dialog box, or set CREATOR OWNER to Manage Documents (default setting). |

| |
|---|
| On Windows XP, you cannot search the scanner that is specified in the EPSON Scan Setting dialog box. |
|---|

| Cause | What to do |
|-------|------------|
|-------|------------|

| | |
|---|---|
| On the Advanced tab of the Local Area Connection Properties dialog box, the Internet Connection Firewall setting is on. | In the EPSON Scan Setting dialog box, click the Add button. In the Add dialog box, select the Enter address radio button and then enter the IP address. |
|---|---|

Macintosh environment

| |
|--|
| Devices do not appear in Chooser. |
|--|

| Cause | What to do |
|---|--|
| You may have selected a wrong one for "Connect via" in the AppleTalk Control Panel. | Make sure to select Built-in Ethernet or AirMac in AppleTalk Control Panel, and make sure AppleTalk is active in Chooser. Also, check the network equipment including the hub cable. |

| |
|---|
| The Rendezvous printer setting is overwritten by the AppleTalk printer setting when the same printer is set up with AppleTalk after the printer is set up with Rendezvous. |
|---|

Change the AppleTalk printer name so that it does not conflict with the Rendezvous printer name.

NetWare environment

| |
|---|
| Nothing prints even though clients have sent data to the device. |
|---|

| Cause | What to do |
|---|--|
| Clients may not be registered, or the network interface may not be logged in to the NetWare server. | Make sure clients are registered as users of the print queue and the print server. Also, make sure the network interface is logged in to the NetWare server. |

EpsonNet Config will not start correctly.

| Cause | What to do |
|--|--|
| Microsoft NetWare Directory Service is installed on your computer. | If you are using the NDS service, install the Novell NetWare Client service. |

It takes a long time to start EpsonNet Config.

| Cause | What to do |
|---|---|
| The Novell Client service is installed. | Double-click Network in Control Panel, and then double-click the network adapter that does not use the IPX/SPX-compatible protocol. Clear the items related to IPX to unbind IPX. |

The devices on the IPX network do not appear in the EpsonNet Config dialog box.

| Cause | What to do |
|--|--|
| The device is turned off. | Turn on the device. |
| The device is not in the same segment as the computer where you installed EpsonNet Config. | To search for network interfaces in other segments, use Search options of EpsonNet Config. |

You have not logged in to the target NetWare server with supervisor privileges.

From the computer on which EpsonNet Config is installed, log in to the target NetWare server with supervisor privileges.

Initializing the Network Interface

To initialize your network interface, turn on the device, and then plug the power cord of the network interface into a wall outlet while holding down the status sheet button of the network interface for twenty seconds. The length of time necessary to hold down the status sheet button varies depending on the device model. The green USB light flashes, indicating the network interface is being initialized.

After the initialization is complete, press the status sheet button to print a status sheet. Check the information on the status sheet.

Note:

You can also initialize the network interface using EpsonNet Config by clicking the Default Settings button.

Restrictions on EPSON Status Monitor 3

The operation of EPSON Status Monitor 3 is different, depending on whether the printer or all-in-one is connected to the network interface for use in the wireless LAN environment or to the computer directly, as described below.

For the ink jet printer or all-in-one

The operation of the printer or all-in-one connected directly to the computer as a shared printer is the same as that connected to the wireless LAN.

Note:

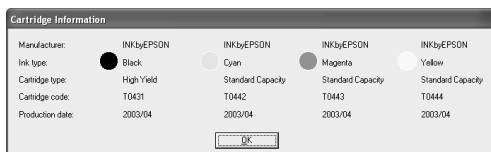
The following explanation uses screen images of Windows XP. The screen images are the same for Macintosh.

Cartridge information

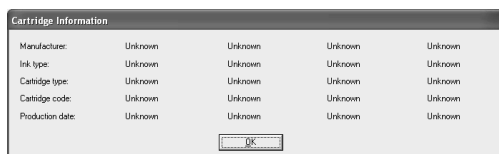
When the printer or all-in-one is connected to the wireless LAN, all information is displayed as “Unknown” even if you click the Information button in the EPSON Status Monitor 3 dialog box.



Connected to the computer directly



Connected to the wireless LAN



Available number of printed sheets

When some of the ink becomes less than half, the available number of printed sheets appears if the printer or all-in-one is connected directly to the computer. However, this information does not appear if the printer or all-in-one is connected with the wireless LAN.

Connected to the computer directly



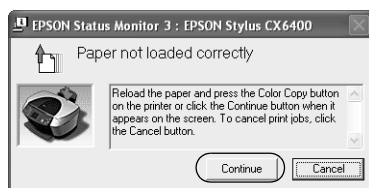
Connected to the wireless LAN



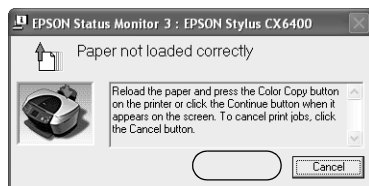
Error for paper-out or paper jammed

When the paper has run out or is jammed, the Continue button appears if the printer or all-in-one is connected directly to the computer. However, this information does not appear if the printer or all-in-one is connected to the wireless LAN. Follow the on-screen instructions to clear the error.

Connected to the computer directly



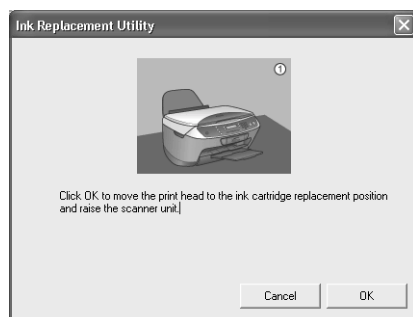
Connected to the wireless LAN



Ink replacement utility

If the printer or all-in-one is connected directly to the computer, the Ink Replacement Utility dialog box appears when the ink has run out. When you click the OK button, the print head moves to the ink cartridge replacement position. On the other hand, if the printer or all-in-one is connected to the wireless LAN, you need to press the button on the printer or all-in-one to move the print head. Follow the on-screen instructions to replace the ink cartridge.

Connected to the computer directly



Connected to the wireless LAN



Cancel printing when an error occurs

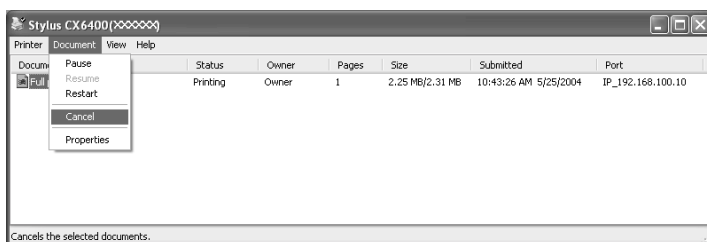
When the printer error dialog box appears and then you click the Cancel button, printing is canceled if the printer or all-in-one is connected directly to the computer. However, printing is not canceled if the printer or all-in-one is connected to the wireless LAN. Follow the on-screen instructions to clear the error first, and then see steps 1 to 3 below if you are using Windows, or step 3 only if you are using Macintosh.

1. Click the Start menu, point to Control Panel, select Printers and Other Hardware, and then select Printers and Faxes. Double-click the printer icon for which you want to cancel printing.

For Windows Me/98SE/2000, click the Start menu, point to Settings, and then select Printers.

2. Click the print data. From the Document menu, select Cancel.

For Windows Me/98SE, select Cancel Printing from the Document menu.



3. Turn off the printer, and then turn it back on after a while.

For the laser printer

For Windows XP Service Pack 2 Users

If you share the laser printers on the computer running Windows XP Service Pack 2 on the network, client computers with the following conditions cannot monitor the printers using EPSON Status Monitor 3:

- ☐ Client computers running Windows Me/98/95
- ☐ Client computers located in another network segment

Solution

1. Click Start, point to Control Panel, and then select Security Center. Click Windows Firewall.
2. Click the Exceptions tab, and then click the Add Program button.
3. Click the Browse button.
4. Select the program located in the following folder, using the Look in pull-down menu.

C:\Program Files\Common
Files\EPSON\EBAPI\EEBAgent.exe

Note:

- ☐ *Substitute the drive letter for your operating system.*
 - ☐ *If you have upgraded EPSON Status Monitor 2 to EPSON Status Monitor 3, select the folder where EPSON Status Monitor 2 is installed.*
5. Confirm that EEBAgent.exe is registered in the Programs list, and then click OK.

6. Confirm that the check box for EEBAgent.exe is selected in the Programs and Services list, and then click OK.

The Job Management function cannot be used (except in the wired LAN connection)

In the Monitoring Preferences dialog box, the Job Management setting does not appear. Therefore, the Job Information tab and the Notification message when your print job is finished dialog box do not appear.

Note:

The models available on the market after 2004 are excluded.

Specifications

Wireless Network Interfaces Specification

| | |
|----------------------|---|
| Standard: | IEEE 802.11b/g |
| Communication Speed: | 11, 5.5, 2, and 1 Mbps (802.11b) 54, 48, 36, 24, 18, 12, 9, and 6 Mbps (802.11g) |
| Security: | 64-bit or 128-bit WEP Data Encryption WPA-PSK(TKIP) |
| Frequency Band: | 2.4 GHz 2.4000 - 2.4835 GHz (802.11b/g) |
| Wireless Medium: | Direct Sequence Spread Spectrum (DS-SS) Orthogonal Frequency Division Multiplexing (OFDM) |
| Operation Channels: | US, Canada: 1 - 11 Europe: 1 - 13 |
| Communication Mode: | Ad hoc mode Infrastructure mode |
| Roaming Function: | Supported |
| Antenna Type: | Built-in diversity antenna |
| Printer Interface: | USB 1.1 Downstream port/Type A |
| Host Interface: | USB 1.1 Upstream port/Type B |
| Dimensions: | Width: 43 mm (approx. 1.72 in.) Depth: 129 mm (approx. 5.16 in.) Height: 145 mm (approx. 5.8 in.) |

| | |
|--------------------|-----------------------------------|
| Weight: | Approx. 0.5 kg (approx. 1.1 lb) |
| Operation Range | |
| Indoor (802.11g): | 20 m (approx. 22 yd) at 54 Mbps |
| Indoor (802.11b): | 60 m (approx. 66 yd) at 11 Mbps |
| Outdoor (802.11g): | 50 m (approx. 55 yd) at 54 Mbps |
| Outdoor (802.11b): | 180 m (approx. 198 yd) at 11 Mbps |

Electrical Specifications

| | |
|----------------------|-----------------|
| Rated Voltage: | DC 5 V \pm 5% |
| Rated Current: | 2.0 A |
| Current Consumption: | 500 mA |

Regulatory Approvals

| | |
|--------------------|---|
| Wireless Standard: | FCC part 15 Subpart C RSS210 |
| EMC: | FCC part 15 subpart B Class B CAN/CSA-CEI/IEC CISPR 22 |

Reliability

MTBF: 10,000 hours (power on, 100% duty)

Environmental

| | |
|------------------------|------------------------------|
| Operating Temperature: | 0 to 50° C (32 to 122° F) |
| Storage Temperature: | -30 to 60° C (-22 to 140° F) |
| Operating Humidity: | 10 to 85% RH |
| Storage Humidity: | 0 to 85% RH |
| Operating Vibration: | 1 G (5 to 55 Hz) |
| Storage Vibration: | 1.5 G (5 to 55 Hz) |
| Operating Shock: | 1 G |
| Storage Shock: | 2 G |

Network Software

NetWare 3.x, 4.x, 5.x, or 6

EtherTalk (AppleTalk)

TCP/IP

NetBEUI

Regulatory Approvals for AC Adapter (A261H)

| | |
|--------------------|---|
| Input: | AC 100 - 240 V, 50 - 60 Hz |
| Output: | DC 5 V \pm 5%, 2.0 A |
| Power Consumption: | Max. 0.31 A |
| Safety Standards: | UL 1310/1950 CSA C22.2 No.223/No.950 |
| EMC: | FCC part 15 subpart B Class B CSA C108.8 Class B |

FCC Compliance Statement for United States Users

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- ☐ Reorient or relocate the receiving antenna
- ☐ Increase the separation between the equipment and receiver

- ❑ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- ❑ Consult the dealer or an experienced radio/TV technician for help.

WARNING

The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

For Canadian Users

The term "IC:" before the certification/registration number only signifies that the Industry Canada technical specifications were met. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

DECLARATION of CONFORMITY

According to 47CFR, Part 2 and 15 for Class B Personal Computers and Peripherals; and/or CPU Boards and Power Supplies used with Class B Personal Computers:

We: EPSON AMERICA, INC.

Located at: MS 6-43
3840 Kilroy Airport Way
Long Beach, CA 90806-2469
Telephone: (562)290-5254

Declare under sole responsibility that the product identified herein, complies with 47CFR Part 2 and 15 of the FCC rules as a Class B digital device. Each product marketed, is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on a statistical basis as required by 47CFR §2.909 Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trade Name: EPSON

Type of Product: EpsonNet 802.11g Wireless Ext. Print Server

Model: EU-82

Introduction

- About Your Network Interface
- About This Guide
- Instructions on Using the Network Interface
- Package Contents
- Operating Environment
 - Supported operating systems
 - Printing environments
 - Scanning environments
 - Network Storage environments
- Supported Epson Devices
- Features of the Network Interface
- Network Interface Operation
- The IEEE 802.11g Communication Standard
- Wireless Environment
 - Operating modes
 - Security
 - Radio signal range
- About the Software
- Terms and Concepts

How To

Overview

Selecting a Printing Method

- Printing from Windows
- Printing from Macintosh
- Features of the Printing Methods
 - LPR (TCP/IP) printing
 - Internet printing
 - Microsoft Network Shared printing

Installing Components on Your Computer

About Installing Components on Your Computer

Windows XP

Windows Me/98

Windows Server 2003

Windows 2000

Macintosh

Mac OS X

Mac OS 9

How to Set Up the Network Interface

For Windows

Connecting the network interface

Configuring the network interface

Using the network storage

For Macintosh

Connecting the network interface

Configuring the network interface

Setting up the device

For EPSON STYLUS PHOTO RX500/600 and EPSON STYLUS CX4600/6400/6600 Users

For Windows

Configuring the network interface

Scanning via a wireless network

Using the network storage

For Macintosh

Configuring the network interface

Setting up the device

Scanning via a wireless network

Installing the Printer Driver

About Installing the Printer Driver

Windows XP

LPR printing

Internet printing

Microsoft Network Shared printing

Using the NET USE command

- Windows Me/98
 - LPR printing
 - Internet printing (Windows 98)
 - Internet printing (Windows Me)
 - Microsoft Network Shared printing
 - Using the NET USE command
- Windows Server 2003
 - LPR printing
 - Internet printing
 - Microsoft Network Shared printing
 - Using the NET USE command
- Windows 2000
 - LPR printing
 - Internet printing
 - Microsoft Network Shared printing
 - Using the NET USE command
- Macintosh
 - Mac OS X
 - Mac OS 9
- OS/2
 - LPR printing
 - NetBEUI printing

Network Software

EpsonNet Config for Windows

- About EpsonNet Config
- System Requirements
- Installing EpsonNet Config
- Accessing the EpsonNet Config Reference Guide

EpsonNet Config for Macintosh

- About EpsonNet Config
- System Requirements
- Installing EpsonNet Config
- Accessing the EpsonNet Config Reference Guide

EpsonNet Config with Web Browser

About EpsonNet Config

Supported Web browser

About Web browser setting

Configuring the Network Interface Using EpsonNet Config

Opening Screen

Index

Menu

Information

General information

Configuration - Network Screens

Wireless

NetWare

TCP/IP

AppleTalk

MS Network

IPP

SNMP

Time

Network Scan

Optional Screens

Administrator

Reset

Password

EpsonNet Print

About EpsonNet Print

System Requirements

Installing EpsonNet Print

For Windows XP/Server 2003/2000/NT 4.0 Users

Adding a port for a printer assigned with a dynamic IP address

Adding a port for a printer assigned with a static IP address

Installing the Printer Driver

For Windows Me/98/95 Users

Adding a port for a printer assigned with a dynamic IP address

Adding a port for a printer assigned with a static IP address

Configuring the Printer Port

EpsonNet Internet Print

- About EpsonNet Internet Print
- System Requirements
- Installing EpsonNet Internet Print
- Setting Up Your Device Using EpsonNet Internet Print
 - Windows 98/95
 - Windows NT 4.0
- Status Alert Window

EpsonNet WebManager

- About EpsonNet WebManager
- System Requirements
- EpsonNet WebManager Functions
- EpsonNet WebManager Operating Structure
- Installing EpsonNet WebManager
- Starting EpsonNet WebManager
- Opening the Online Guide

EpsonNet SetupManager

- About EpsonNet SetupManager
- System Requirements
- Installing EpsonNet SetupManager
- Accessing the User's Guide for EpsonNet SetupManager

Tips for Administrator

Settings for NetWare Users

- Introduction to NetWare Settings
 - Supported systems
 - About modes
- Instructions for Using NetWare
 - Using Bindery Print Server (NetWare 3.x/4.x)
 - Using NDS Print Server (NetWare 4.x/5.x/6.0)
 - Using Remote Printer Mode (NetWare 3.x)

- Using Bindery Remote Printer Mode (NetWare 4.x)
- Using NDS Remote Printer Mode (NetWare 4.x/5.x/6.0)
- Using the NDPS Gateway
 - Outline of settings
 - Making printer environment
 - Creating an NDPS Manager
 - Creating a Printer Agent
 - Configuring for NetWare using EpsonNet Config
 - Setting the printer on client workstations
- Instructions for Using a Dial-Up Network
 - Using a dial-up network in each mode
 - When there is a primary server at the dial-up destination
 - When there is a primary server in the local network

Settings for UNIX Users

- Introduction to UNIX Settings
- lpr filters
- Setting Up Different UNIX Systems Using the lpr Command
 - Setting up for SunSoft Solaris 2.4 or later
 - Setting up for SunOS 4.1.4 or later
 - Setting up for IBM AIX 3.2.5 or later and 4.1.3 or later
 - Setting up for HP-UX 9.05 or later
 - Setting up for SCO UNIX 4.2 or later (Open Server)
- Using the ftp Command

Tips

- Instructions on Using DHCP
- Setting an IP Address Using the arp/ping Command
 - Checking the LAN
 - Setting and checking the new IP address
- Instructions on Using a Dial-Up Router
- Function of Universal Plug and Play
- Uninstalling Software
 - Windows XP/Server 2003
 - Windows Me/98/95/2000/NT 4.0
 - Macintosh

Problem Solver

General Problems

Problems Specific to Your Network Environment

- Windows Me/98 environment

- Windows XP/2000/NT environment

- Macintosh environment

- NetWare environment

Initializing the Network Interface

Restrictions on EPSON Status Monitor 3

- For the ink jet printer or all-in-one

- For the laser printer

Specifications

Wireless Network Interfaces Specification

Electrical Specifications

Regulatory Approvals

Reliability

Environmental

Network Software

Regulatory Approvals for AC Adapter (A261H)

FCC Compliance Statement for United States Users

WARNING

- For Canadian Users

FCC Radiation Exposure Statement

DECLARATION of CONFORMITY

Index

Index

A

Ad Hoc mode, 16, 49, 61, 157, 158
arp, 258, 259
Automatic Private IP Addressing (APIPA), 152

B

Bindery emulation, 219, 221

C

Channel, 49, 61
Controlled Access Printers, 238, 242

D

DC-IN connector, 14
Default gateway, 152
Dial-up network, 242
Dial-up router, 260
Dynamic DNS, 153

E

EpsonNet
 Config (Macintosh), 145
 Config (Web Browser), 149
 Config (Windows), 141
 Internet Print, 191
 Print, 171
 SetupManager, 213
 WebManager, 203

F

ftp, 254

I

IEEE 802.11g standard, 14
Infrastructure mode, 16, 49, 61, 157, 158

Initializing the network interface, 275

Installation

EpsonNet Config (Macintosh), 145

EpsonNet Config (Windows), 142

EpsonNet Internet Print, 192

EpsonNet Print, 172

EpsonNet SetupManager, 215

EpsonNet WebManager, 208

Internet printing, 193, 198

Internet Printing Protocol, 191

IntranetWare, 221

IP address, 150, 258, 270

L

LPR filters, 247

M

MAC address, 157

Microsoft network, 165

N

NDPS, 234

NDPS Manager, 237

NDPS Printer Agent, 238

NDS, 219

NET USE command, 125

NetWare, 161

3.x, 221, 222

4.x, 221, 226, 229

5.x, 221, 229, 234

6.0, 221, 229, 234

O

Operating environment, 6

P

Password for

EpsonNet Config (Web Browser), 170

PCONSOLE, 222, 235

Ping, 259

Print Server mode, 161, 218, 221, 242
Protocols, 6
Public Access Printers, 238, 241

R

Remote Printer mode, 162, 218, 222, 226, 229, 242
Reset, 157, 170
Return to default button, 170
Rotary stand, 14
Router, 152

S

SAP Name, 239
Security lock, 14
Setting the IP address, 150, 258
Signal range, 17
SSID, 17, 49, 61
Status sheet button, 13
Subnet mask, 152

T

TCP/IP, 151
Transmission rate, 49, 61

U

Universal Plug and Play, 153
UNIX, configure for different OS, 248
USB downstream connector, 14
USB upstream connector, 13
Using the printer with
 Macintosh, 132
 NetWare, 217
 OS/2, 134
 UNIX, 247
 Windows 2000, 125
 Windows Me/98, 114
 Windows Server 2003, 118
 Windows XP, 105

W

WEP Key, 17

Wi-Fi certification, 15

WPA-PSK(TKIP), 17